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Lyndon B. Johnson Space Center

(NASA-CR-151805) RESULTS OF AN
INVESTIGATION TO VERIFY SHUTTLE ORBITER
VEHICLE 102 AERC CHARACTERISTICS UTILIZING
AN .05 SCALE HI-FIDELITY REMOTE CONTROL
MODEL (39-0) IN THE AMES RESEARCH CENTER

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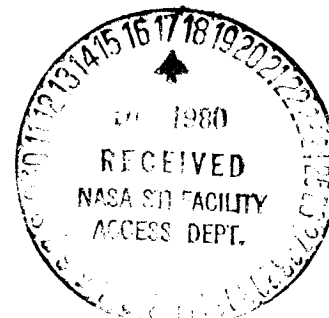
SPACE SHUTTLE AEROTHERMODYNAMIC DATA REPORT

Data Management Services

HUNTSVILLE ELECTRONICS DIVISION



CHRYSLER
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RESULTS OF AN INVESTIGATION TO VERIFY SHUTTLE ORBITER
VEHICLE 102 AERO CHARACTERISTICS UTILIZING AN
.05-SCALE HI-FIDELITY REMOTE CONTROL MODEL (39-0)
IN THE AMES RESEARCH CENTER UNITARY WIND TUNNEL
(OA145A)

by

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Prepared under NASA Contract Number NAS9-13247

by

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Houston, Texas

WIND TUNNEL TEST SPECIFICS:

Test Number: 118-1-11, -97, -87
NASA Series Number: QA145A, B, C
Model Number: 39-0
Test Dates: March 7, 1977 through May 4, 1977
Occupancy Hours: QA145A 480
QA145B 348
QA145C 100

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RESULTS OF AN INVESTIGATION TO VERIFY SHUTTLE ORBITER
VEHICLE 102 AERO CHARACTERISTICS UTILIZING AN .05-SCALE
HI-FIDELITY REMOTE CONTROL MODEL (39-0) IN THE AMES
RESEARCH CENTER UNITARY WIND TUNNEL (OA145A)

by

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ABSTRACT

This report documents the data obtained in wind tunnel test ØA145A, part of a transonic verification test program (ØA145A, B, C) conducted in the Ames unitary plan tunnel. Data from tests ØA145B and C are documented in DMS-DR-2364 and DMS-DR-2389, respectively. The objective of this test series was to verify orbiter vehicle 102 aerodynamic characteristics with regard to:

1. Basic stability and control over the structural design envelope
2. Fine cut stability and control characteristics along a nominal entry trajectory
3. Control surface hinge moments
4. Reynolds number effects on stability and control, control surface effectiveness and hinge moments
5. Certain hysteresis and control surface interactions observed on other smaller scale model tests
6. Proposed inboard/outboard elevon interaction math model

Testing was conducted over a Mach number range 0.4 to 3.5 with Reynolds number variations between 3.0×10^6 and 9×10^6 per foot for subsonic/transonic tests and 1.0×10^6 to 4.5×10^6 per foot for supersonic tests. The

ABSTRACT (Concluded)

test program included investigations to evaluate model blockage, reflected shock and flow angularity effects in the 11 ft. and 9 x 7 tunnels. Mach ramps were run in the 11 ft. tunnel to help establish data validity near Mach 1.0. Control surface hinge moments were obtained from the integration of measured pressure data on all control surfaces.

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134	OA145A SPEED BRAKE CP VS. XR/CR, OUTER SURFACE, BETA EFFECT AT SPDBRK = 25	2298-2324
135	OA145A SPEED BRAKE CP VS. XR/CR, OUTER SURFACE, BETA EFFECT AT SPDBRK = 0	2325-2360
136	OA145A SPEED BRAKE CP VS. XR/CR, OUTER SURFACE, BETA EFFECT AT SPDBRK = 55	2361-2396
137	OA145A SPEED BRAKE CP VS. XR/CR, OUTER SURFACE, BETA EFFECT AT SPDBRK = 87.2	2397-2432
138	OA145A SPEED BRAKE CP VS. XR/CR, OUTER SURFACE, RUDDER EFFECT AT SPDBRK = 25	2433-2468
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- A) CL, CD, C_m , CA vs. α ; CL vs. CD; CL vs. C_m
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- C) Che, Che \emptyset , Che_I, CH_{FD} \emptyset , Ch_{FDI} vs. α
- D) Ch_{bf} vs. α
- E) CH_{sb} vs. β
- F) CY, Cn, C_ℓ vs. δ_r
- G) Ch_{sb} vs. δ_r
- H) CL, CD, C_m vs. δ_{eIB}
Che, Che_I, Ch_{FDI} vs. δ_{eIB}
- I) CL, CD, C_m vs. $\delta_{e\emptyset B}$
Che, Che_I, Ch_{FD} vs. $\delta_{e\emptyset B}$
- J) CL, CD, C_m vs. δ_{aIB}
CY, Cn, C_ℓ vs. δ_{aIB}
Che_I, Che \emptyset vs. δ_{aIB}
- K) CL, CD, C_m vs. $\delta_{a\emptyset B}$
CY, Cn, C_ℓ vs. $\delta_{a\emptyset B}$
Che_I, Che \emptyset vs. $\delta_{a\emptyset B}$
- L) CL, CD, C_m vs. δ_e
- M) CL, CD, C_m vs. δ_{bf}
- N) CY, Cn, C_ℓ vs. α
- O) Che, Che_I, Che \emptyset vs. β

INTRODUCTION

An experimental investigation was performed to determine aerodynamic stability and control characteristics and control surface hinge moments on the OV102 configuration. The test article was an 0.05-scale representation of the SSV orbiter configuration (model 39-0). Tests were performed in the NASA/ARC Unitary Plan Wind Tunnel. Nominal test conditions are given in Table I.

Six-component force data were measured on the complete model using the ARC 4-inch Task MKIVA balance sting mounted through the rear of the model. The model had a total of 280 pressure taps located as shown in Figures 2c through 2h. Control surface pressures were measured on the left hand elevon panels, the body flap and speed brake. These pressures were also integrated to obtain control surface hinge moments.

With the tunnel flowing, data were recorded through an angle-of-attack range from -10° to $+30^{\circ}$ and an angle of sideslip range from -10° to $+10^{\circ}$.

Control surfaces remotely actuated from the control room were: All four elevon panels, the body flap, and the rudder. Speed brake deflections were set manually using a pin indexing system on the rudder shaft.

The report consists of 6 volumes, 1 volume of plotted force data, 2 volumes of plotted pressure data, 2 volumes of tabulated force data, 1 volume of tabulated pressure data on microfiche. The volumes are arranged in the following manner:

INTRODUCTION (Concluded)

<u>VOLUME NUMBER</u>	<u>CONTENTS</u>	<u>MICROFICHE PAGE NO.</u>
1	OA145A PLOTTED FORCE DATA	
2	OA145A PLOTTED PRESSURE DATA	
3	OA145A PLOTTED PRESSURE DATA	
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	INBOARD ELEVON LOWER SURFACE	1-29
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	OUTBOARD FLIPPER DOOR UPPER SURFACE	77-97
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	OUTBOARD ELEVON UPPER SURFACE	160-221
	BODY FLAP UPPER SURFACE	222-243
	BODY FLAP LOWER SURFACE	243-264
	RUDDER OUTER SURFACE	265-286
	RUDDER INNER SURFACE	286-307
	ORBITER BASE	308-315
	STING LOWER SURFACE	315-320
	STING UPPER SURFACE	320-324

NOMENCLATURE

<u>PLOT SYMBOL</u>	<u>MNEMONIC</u>	<u>DEFINITION</u>
a		speed of sound; m/sec, ft/sec
ABK		fuselage base area assigned to pressure tap K, ft. ²
AC		fuselage base sting cavity area, ft. ²
A _i		upper control surface area assigned to pressure tap i, in. ²
A _j		lower control surface area assigned to pressure tap j, in. ²
A _m		speed brake outer surface area assigned to pressure tap m, in. ²
A _n		speed brake inner surface area assigned to pressure tap n, in. ²
b _w		Wind reference span, in. Used to nondimensionalize yawing and rolling moments.
C _A	CA	axial-force coefficient; $\frac{\text{axial force}}{qS}$
C _{Ab}	CAB	base-force coefficient; $\frac{\text{base force}}{qS}$ $-A_b(p_b - p_\infty)/qS$
C _{AC}	CAC	Sting cavity axial force coefficient. Sting cavity pressure is adjusted to an average base pressure.
C _{Af}	CAF	forebody axial force coefficient, C _A - C _{Ab}
C _{AU}		axial force coefficient, unadjusted
c _{BF}		body flap reference chord length, in.
C _D	CD	drag coefficient; $\frac{\text{drag}}{qS}$
C _{D_b}	CDB	base-drag coefficient; $\frac{\text{base drag}}{qS}$
C _{Df}	CDF	forebody drag coefficient; C _D - C _{D_b}

NOMENCLATURE (Continued)

<u>PLOT SYMBOL</u>	<u>MNEMONIC</u>	<u>DEFINITION</u>
c_E		elevon reference chord length, in.
c_{FD}		flipper door reference chord length, in.
Ch_{BF}	CHBF	body flap hinge moment coefficient
Ch_{EI}	CHEI	inboard elevon hinge moment coefficient
Ch_{EO}	CHEO	outboard elevon hinge moment coefficient
Ch_{FDI}	CHFDI	inboard flipper door hinge moment coefficient
Ch_{FDO}	CHFDO	outboard flipper door hinge moment coefficient
Ch_{SB}	CHSB	speed brake hinge moment coefficient
C_L	CL	lift coefficient; $\frac{\text{lift}}{qS}$
C_l	CBL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qSb}$
C_m	CIM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS l_{REF}}$
C_n	CYN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qSb}$
C_N	CN	normal-force coefficient; $\frac{\text{normal force}}{qS}$
C_p	CP	pressure coefficient; $(p_1 - p_\infty)/q$
c_w		wing reference MAC, in.
C_Y	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
δ_a	AILRON	Aileron deflection. Positive when L.H. elevon is more trailing edge down than R.H. elevon, degrees.
δ_{BF}, δ_{bf}	BDFLAP	Body flap deflection. Positive trailing edge down, degrees.

NOMENCLATURE (Continued)

<u>PLOT SYMBOL</u>	<u>MEMORIC</u>	<u>DEFINITION</u>
δ_e	ELEVON	Elevon deflection, average of the four individual panel deflections. Positive trailing edge down, degrees.
δ_{eLI}, \emptyset	ELV-LI, \emptyset	inboard and outboard L.H. elevon deflections, degrees
DELL	DELL	differential elevon setting, left side, outboard-inboard, degrees
DELR	DELR	differential elevon setting, right side, outboard-inboard, degrees
δ_{eRI}, \emptyset	ELV-RI, \emptyset	inboard and outboard R.H. elevon deflections, degrees
δ_r	RUDDER	Rudder deflection in a water plane. Positive trailing edge left, degrees.
DRHL	DRHL	Rudder deflection normal to the hinge line. Positive trailing edge left, degrees.
δ_{SB}	SPDBRK	Speed brake deflection. Angle between the inside faces of the left and right panels, always positive, degrees.
H_{mBF}		body flap hinge moment, in-lbs
H_{mEI}		inboard elevon hinge moment, in-lbs
H_{mEO}		outboard elevon hinge moment, in-lbs
H_{mFDI}		inboard flipper door hinge moment, in.lbs
H_{mFDO}		outboard flipper door hinge moment, in.lbs
H_{MSB}		speed brake hinge moment, in-lbs
LB		orbiter body reference length, in.
L/D	L/D	lift-to-drag ratio; C_L/C_D
L/D_f	L/DF	lift-to-forebody drag ratio; C_L/C_{Df}
M	MACH	Mach number; V/a

NOMENCLATURE (Continued)

<u>PLOT SYMBOL</u>	<u>MNEMONIC</u>	<u>DEFINITION</u>
P		pressure; N/m^2 , psf
$P_{i,j,m,n}$		control surface static pressure corresponding to tap i, j, m or n, psfa
P_o	P	freestream static pressure psfa
q	Q(PSF) Q	dynamic pressure; $1/2\rho V^2$, psf
RN/L	RN/L, RN	unit Reynold's number; per m, per ft
S_{BF}		body flap reference area, $in.^2$
S_E		elevon reference area, $in.^2$
S_{FD}		flipper door reference area, $in.^2$
S_{SB}		speed brake reference area, $in.^2$
S_w		wing reference area, $ft.^2$
V		velocity; m/sec, ft/sec
x_{BF}/C_B	XBF/CB	chordwise distance aft of body flap hinge line as a fraction of body flap chord
X_{CG}		distance from orbiter nose (IML) to model moment reference center, in.
X_{CP}	XCP/L	model center of pressure location in the normal force direction, relative to the model nose (IML), in.
x_e/C_e	XE/CE	chordwise distance aft of elevon hinge line as a fraction of local elevon chord
x_{FD}/C_{FD}	XF/CF	chordwise distance aft of flipper door hinge line as a fraction of local flipper door chord
$X_{i,j,m,n}$		transfer distance from static pressure tap i, j, m or n to the corresponding control surface hinge line, in.

NOMENCLATURE (Concluded)

<u>PLOT SYMBOL</u>	<u>MNEMONIC</u>	<u>DEFINITION</u>
x_R/C_R	XR/CR	chordwise distance aft of rudder hinge line as a fraction of local rudder chord
α	ALPHA	angle of attack, degrees
β	BETA	angle of sideslip, degrees
ψ	PSI	angle of yaw, degrees
ϕ	PHI	angle of roll, degrees
ρ		mass density; kg/m^3 , slugs/ft^3
η_{BF}	YBF/BB	spanwise distance from body flap left edge as a fraction of body flap span at hinge line
η_R	ZR/BR	spanwise distance from rudder bottom edge as a fraction of rudder span on hinge line
η_W	2Y/BW	distance from plane of symmetry as a fraction of wing semi-span

REMARKS

After completion of the OA145 test program, pressure data for all three program phases were reviewed to determine what updating, corrections, or substitutions would be necessary. The following defines for each program phase those corrections that were deemed necessary and were made to the final data prior to preparation of the final data tape for Dataman. Updating and substitutions were applied only where known deficiencies existed that would have severely compromised the final data.

PRESSURE DATA UPDATING FOR 118-1-11 (OA145A)

Run 18 through 56:16

<u>Deleted</u>	<u>SV</u>	<u>Port(s)</u>
	1	3, 4, 5, 8 through 11, 17, 18
	3	18
	7	2, 6, 24
	9	19, 20

<u>Applied</u>		
Tap 127	(SV3-Port 13)	Pressure to Tap 132 (SV3-Port 18)
Tap 6	(SV6-Port 2)	Pressure to Tap 7 (SV7-Port 2)
Tap 216	(SV7-Port 3)	Pressure to Tap 219 (SV7-Port 6)
Tap 240	(SV8-Port 3)	Pressure to Tap 207 (SV7-Port 24)
Tap 403	(SV9-Port 18)	Pressure to Tap 404 (SV9-Port 19)
Tap 403	(SV9-Port 18)	Pressure to Tap 405 (SV9-Port 20)

Run 50:13 through 56:16

Replaced SV8 CAL with SV9 CAL.

Run 60:1 through 74:11

<u>Deleted</u>	<u>SV</u>	<u>Port(s)</u>
	1	3, 5, 8 through 11, 17
	4	2
	7	6, 24
	9	19, 20

REMARKS (Continued)

Applied Tap 5 (SV5-Port 2) Pressure to Tap 4 (SV4-Port 2)
 Tap 216 (SV7-Port 3) Pressure to Tap 219 (SV7-Port 6)
 Tap 240 (SV8-Port 3) Pressure to Tap 237 (SV7-Port 24)
 Tap 403 (SV9-Port 18) Pressure to Tap 404 (SV9-Port 17)
 Tap 403 (SV9-Port 18) Pressure to Tap 405 (SV9-Port 19)

Run 76:1 through 272:9

<u>Deleted</u>	<u>SV</u>	<u>Port(s)</u>
	1	3, 8, through 11, 17
	7	6, 24
	9	19, 20, 24

Applied Tap 216 (SV7-Port 3) Pressure to Tap 219 (SV7-Port 6)
 Tap 240 (SV8-Port 3) Pressure to Tap 237 (SV7-Port 24)
 Tap 403 (SV9-Port 18) Pressure to Tap 404 (SV9-Port 19)
 Tap 403 (SV9-Port 18) Pressure to Tap 405 (SV9-Port 20)
 Tap 408 (SV9-Port 23) Pressure to Tap 409 (SV9-Port 24)

Run 67:1 through 341:10

Replaced SV8 CAL with SV9 CAL

Run 185:1 through 272:9

<u>Deleted</u>	<u>SV</u>	<u>Port</u>
	1	5

Applied Tap 35 (SV1-Port 11) Pressure to Tap 25 (SV1-Port 5)

Run 276:1 through 396:10

<u>Deleted</u>	<u>SV</u>	<u>Port(s)</u>
	7	6, 24
	9	19, 20, 24

Applied Tap 216 (SV7-Port 3) Pressure to Tap 219 (SV7-Port 6)
 Tap 240 (SV8-Port 3) Pressure to Tap 237 (SV7-Port 24)
 Tap 403 (SV9-Port 18) Pressure to Tap 404 (SV9-Port 19)
 Tap 403 (SV9-Port 18) Pressure to Tap 405 (SV9-Port 20)
 Tap 408 (SV9-Port 23) Pressure to Tap 409 (SV9-Port 24)

REMARKS (Continued)

Run 370:1 through 384

Deleted SV6 Port 2

Applied Tap 5 (SV5-Port 2) Pressure to Tap 6 (SV6-Port 2)

Run 403 through 918:10

Deleted SV7 Ports 6 and 24

Applied Tap 216 (SV7-Port 2) Pressure to Tap 218 (SV7-Port 6)
 Tap 240 (SV8-Port 3) Pressure to Tap 237 (SV7-Port 24)

Run 514 through 534:10

Deleted SV6 Port 2

Applied Taps (SV5-Port 2) Pressure to Tap 6 (SV6-Port 2)

Run 735 through 756:10

Deleted SV2 Port 7

Applied Tap 65 (SV1-Port 25) Pressure to Tap 75 (SV2-Port 7)

Run 874 through 895:8

Deleted SV2 Port 7

Applied Tap 65 (SV1-Port 25) Pressure to Tap 75 (SV2-Port 7)

PRESSURE DATA UPDATING FOR 118-1-97 (OA145B)

Run 156:7 through 337 (End of 5/4/77 running)

<u>Deleted</u>	<u>SV</u>	<u>Port(s)</u>
	3	8
	7	24

Applied Tap 117 (SV3-Port 3) Pressure to Tap 122 (SV3-Port 8)
 Tap 240 (SV8-Port 3) Pressure to Tap 237 (SV7-Port 24)

Run 340 through 391 (End of test)

<u>Deleted</u>	<u>SV</u>	<u>Port</u>
	7	24

REMARKS (Continued)

Applied Tap 240 (SV8-Port 3) Pressure to Tap 237 (SV7-Port 24)

P_{BASE} for following runs is lost; substitute as follows:

For Run 228 Substitute P_B from Run 200 Seq. 6

For Run 229 Substitute P_B from Run 200 Seq. 18

PRESSURE DATA UPDATING FOR 118-1-87 (OA145C)

Run 13 through 97

<u>Deleted</u>	<u>SV</u>	<u>Port(s)</u>
	3	8
	7	24

Applied Tap 117 (SV3-Port 3) Pressure to Tap 122 (SV3-Port 8)
Tap 240 (SV8-Port 3) Pressure to Tap 237 (SV7-Port 24)

Run 82 through 96

<u>Deleted</u>	<u>SV8</u>	<u>Port 2</u>
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Applied Tap 7 (SV7-Port 2) Pressure to Tap 8 (SV8-Port 2)

Run 98 through 188

<u>Deleted</u>	<u>SV7</u>	<u>Port 24</u>
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Applied Tap 240 (SV8-Port 3) Pressure to Tap 237 (SV7-Port 24)

Run 100 through 188

<u>Deleted</u>	<u>SV3</u>	<u>Port 8</u>
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Applied Tap 117 (SV3-Port 3) Pressure to Tap 122 (SV3-Port 8)

It should be noted that for the OA145A program aerodynamic coefficient data presented between freestream Mach numbers of about 0.98 and 1.07 may be suspect. Measured aerodynamic characteristics are affected by tunnel wall blockage and/or reflected shock waves. Therefore, data in this Mach range should be used with caution for diagnostic

REMARKS (Continued)

analysis only. Review of the base pressure data for the OA145C test program revealed significant differences in P_{BASE} between individual pressure taps and are a result of response time problems associated with Scanivalve stepping from the calibrate pressure Port #1 (high positive pressure) to the adjacent (low negative value) base pressure Port #2, on all Scanivalves. For base pressures measured on two adjacent ports, i.e., CPB10 and CPB11 on Scanivalve 11 the second pressure reads the correct value of P_{BASE} . It was therefore concluded that only Port #2 on each Scanivalve, the base pressure tap, is in error. This anomaly was not discovered until after release of the final data tape to Dataman.

Pressure data used for the DATAMAN integrations for control surface hinge moments (documented as special request SPRT9F) were edited further by DATAMAN to exclude taps designated by Rockwell as bad or suspect. The following is a list of the pressure taps deleted by DATAMAN in accordance with the integration request:

<u>Tap No.</u>	<u>Component</u>	<u>Tap Location</u>
132	Elevon Upper Surface	$\eta_W = 0.8, X_e/C_e = 0.2$
155	Elevon Lower Surface	$\eta_W = 0.34, X_e/C_e = 0.6$
209	Flipper Door Upper Surface	$\eta_W = 0.534, X_F/C_F = 0.9$
215	Flipper Door Upper Surface	$\eta_W = 0.715, X_F/C_F = 0.9$
219-221	Flipper Door Upper Surface	$\eta_W = 0.887, \text{all } X_F/C_F$
325	Body Flap Lower Surface	centerline @ T. E.

REMARKS (concluded)

Hinge moment data presented in this report are the on line integration results from the test facility. Pressure data tabulated in volume 6 are also facility data.

CONFIGURATIONS INVESTIGATED

The test article (provided by Rockwell) was a 0.05-scale model 39-0 defined by the VC70-000002B configuration control drawing and fabricated to the March 15, 1976 trajectory 14414.1C/C Numerical Control Lines.

The model was constructed primarily of 6061-T6 aluminum alloy and Armco 17-4 stainless steel. The balance block, wing panels and elevons, vertical tail and speed brakes, and body flap are the principal steel components. The fuselage is all aluminum.

The model was tested in the above fixed configuration in all three facilities. No model boundary layer trips were employed for any testing. The only configuration variables were model orientation and control surface deflection. The following range of control surface deflections were tested and controlled remotely from the control room: Elevon deflections of -35° to $+20^{\circ}$, body flap deflections of -11.7 to 22.5 and -22.8 to $+22.8$ rudder deflection. Speed brake deflections of 0° , 7.5 , 15° , 25° , 40° , 55° , 70° and 87.2° were set manually.

The following nomenclature was used to designate the model components:

<u>Component</u>	<u>Definition</u>
B75	OV102 fuselage including T-zero umbilical panels, crew hatch, and cargo bay door gaps.
C16	Canopy including recessed windshields and observation windows.
E64	Elevons, including elevon/elevon and elevon/fuselage gaps.
F16	Body flap.

CONFIGURATIONS INVESTIGATED(Concluded)

<u>Component</u>	<u>Definition</u>
FD ₃	Flipper doors.
FR ₂₂	Fairings for the forward cargo bay door hinges, 6 per side.
HG ₁	Cargo bay door hinges, 13 per side.
M ₅₂	OMS pods.
N ₁₀₈	Forward RCS thruster nozzle ports.
N ₁₀₉	Main propulsion system nozzles (inner surfaces cut away for sting clearance).
N ₁₁₀	OMS nozzles.
N ₁₁₁	Aft RCS thruster nozzles and ports.
R ₂₀	Rudder, split into left and right speed brake panels.
V ₂₇	Vertical tail.
VT ₁₀	Cargo bay vents, 4 per side.
VT ₁₁	wing/landing gear bay vents, 1 per side.
VT ₁₂	Cabin vents, 1 per side.
VT ₁₃	Forward RCS vents, 1 per side.
VT ₁₄	Aft fuselage vents, 1 per side.
VT ₁₅	OMS RCS vents, 1 per side.
VT ₁₆	Flipper door vents.
VT ₁₇	Miscellaneous vents, ports and penetrations.
W ₁₃₁	OV102 wing.

The above nomenclature is depicted in Figures 2a and 2b.

INSTRUMENTATION

The test was conducted with the following model instrumentation:

1. 4.0-inch Task MKIVA, 6-component internal balance.
2. Eleven Scanco S-type, 48-port Scanivalves for model pressures. One Scanivalve for sting pressures.
3. 36 wing and 97 elevon static pressure taps.
4. 32 flipper door static pressures, 24 external, 8 internal
5. 5 aft fuselage and 23 body flap static pressure taps.
6. 9 vertical tail and 45 speed brake static pressure taps.
7. 9 fuselage base and 2 balance cavity static pressure taps.
8. 2 air data probe forward fuselage flush static pressure taps.
9. 20 sting static pressure taps.

Six model control surfaces were remotely actuated. Included were the following instrumentation:

1. Hydraulic actuation systems for the four elevon panels and the body flap.
2. Electric motor actuation system for the rudder.
3. Angular position pots for each of the control surfaces.
4. A model mounted hydraulic supply system, including pump, and servo-control valves.
5. A model control console housing the electrical components of the servo systems.

Force data for the orbiter was measured by a six-component balance, sting mounted through the rear of the model. The primary balance for this test was the ARC 4-inch Task MKIVA and the backup balance was the Task MK VI provided by Rockwell.

INSTRUMENTATION (Continued)

The model was instrumented with a total of 280 static pressure taps. These pressures were measured by eleven model mounted S-type Scanivalves provided by Rockwell International.

The sting was instrumented with 20 static pressure taps, 10 each top and bottom spaced every 2 inches aft of the base. These pressures were measured by a single S-type Scanivalve mounted in the tunnel strut BOR. The Scanivalve was provided by Rockwell International.

All pressure instrumentation electrical leads were supplied by Rockwell International. ARC provided reference, calibrate, and backing pressure tubes from their source to the aft end of the model. The routing of all instrumentation leads was internal to the sting, except for the sting static taps.

The locations and tap identification numbers of all orifices are shown in Tables III through VI and Figures 2c through 2h.

Tunnel wall static pressure, measured upstream of the test section, was used as the reference pressure for all Scanivalves.

The four elevon panels and the body flap were remotely controlled using a model mounted hydraulic servo control system. The hydraulic system consisted of 1 H.P. AC motor, pump and reservoir, Moog Type 30 servovalves, and Oildyne Style A hydraulic cylinders. The electrical components of the servo-system, the operational amplifiers and balancing pots, were contained in a model control console located in the control room.

INSTRUMENTATION (Concluded)

The rudder panels were remotely controlled using a Globe planetary gear motor, Type 8L. An electrical servo system for the rudder, utilizing a Moog amplifier, was built into the model control console.

Control surface angular position was read by rotary pots located as closely as possible to each surface hingeline. The pots for the inboard elevon panels and the body flap were 7/8-inch Beckman Helipots, model 6173 single turn, dual element. The pots for the outboard elevons and rudder panels were 1/2-inch Markite Series EM05 pots, also single turn, dual element.

The dual outputs from each pot allowed one output to be utilized as the feedback element in the control servo loop, with the second output being used to set control position and compute surface positions in the data reduction program.

The model control console was operated manually. Unbalancing of the servo to set a given control deflection was accomplished by manually adjusting the Helipots on the control console. The position of each control surface was read by separate digital voltmeters mounted on the console.

TEST FACILITIES DESCRIPTION

Ames 11 x 11-Foot Transonic (ØA145A)

The Ames 11 x 11-Foot Transonic Wind Tunnel is a variable density, closed return, continuous flow type. This tunnel has an adjustable nozzle (two flexible walls) and a slotted test section to permit transonic testing over a Mach number range continuously variable from 0.4 to 1.4.

Ames 8 x 7-Foot Supersonic (ØA145C)

The Ames 8 x 7-Foot Supersonic Wind Tunnel is a closed-return, variable-density tunnel with a 8- by 7-foot rectangular test section. The nozzle has flexible side walls with fixed upper and lower surfaces. Mach number range is continuously variable from 2.45 to 3.5. Tunnel stagnation pressure can be varied from 0.3 to 2.0 atmospheres and Reynold's number per foot varies from 1.0×10^6 to 5.0×10^6 .

Ames 9 x 7-Foot Supersonic (ØA145B)

The Ames 9 x 7-Foot Supersonic Wind Tunnel is a variable density, continuous flow type with an adjustable nozzle to permit supersonic testing over a Mach number range continuously variable from 1.5 to 2.5. The nozzle is of the asymmetric, sliding-block type in which the variation of the test section Mach number is achieved by translating, in the stream-wise direction, the fixed-contour block that forms the floor of the nozzle.

DATA REDUCTION

Model force and moment data was reduced to coefficient form in both body and stability axes systems. Moment data was reduced about a moment reference center corresponding to 65% of the reference body length at W.L. 375. Model angle of attack and sideslip were corrected for support hardware deflections and tunnel flow angularity. Angle-of-attack flow angularity was determined from upright and inverted model runs at the beginning of the test. Standard facility corrections were applied as required. All model pressure data was reduced to the pressure coefficient form $(P-P_o)/q$.

Six-component body axes data was computed from balance outputs with axial force being adjusted for the differences between the average sting cavity pressure and an average base pressure.

$$C_A = C_{A_U} - C_{A_C}$$

where:

$$C_{A_C} = - (C_{P_{Cavg.}} - C_{P_{Bavg.}}) \frac{(A_c)}{S_w}$$

$$C_{P_{Cavg.}} = \frac{C_{P10} + C_{P11}}{2}$$

$$C_{P_{Bavg.}} = \frac{(C_{P1} + C_{P2} + C_{P5} + C_{P6} + C_{P7} + C_{P8})}{6}$$

Forebody axial force coefficients were computed by adjusting the base pressure to freestream.

$$C_{A_F} = C_A - C_{A_B}$$

DATA REDUCTION (Continued)

where:

$$C_{AB} = \frac{-1}{S_w} \left[\sum_{K=1}^9 (C_{PK} A_{BK}) + (C_{PB_{avg.}} A_C) \right]$$

Center-of-pressure location of the model normal force was computed as a ratio to the reference body length.

$$\frac{X_{Cp}}{LB} = \frac{1}{LB} \left(X_{CG} - \frac{C_m}{C_N} \bar{c} \right)$$

Stability axes coefficients C_L and C_D were computed from body axes coefficients C_N and C_A . Model lift-to-drag ratio was then computed from C_L and C_D .

$$L/D = C_L/C_D$$

Model control surface positions from the run schedule were input to the controller manually, i.e., constant or variable values were input depending on the sweep variable for the given run. Table look up values of δ_e , δ_{BF} , and δ_A , based on calibration data, were stored in the data reduction program and employed to determine control surface position from the actual set values of controller voltages input to the ARC instrumentation system.

Model control surface hinge moments (on line data only) were computed by the facility from control surface pressures using an area-moment arm method as detailed below:

$$H_{MEI} = \sum_{I=101}^{124} [(P_I) (A_I) (x_I)] - \sum_{J=150}^{173} [(P_J) (A_J) (x_J)]$$

DATA REDUCTION (Continued)

$$C_{HEI} = \frac{H_{MEI}}{qS_E C_E}$$

$$H_{MEO} = \sum_{i=125}^{149} [(P_i) (A_i) (x_i)] - \sum_{j=174}^{197} [(P_j) (A_j) (x_j)]$$

$$C_{HEO} = \frac{H_{MEO}}{qS_E C_E}$$

Inboard flipper door

$$H_{MFDI} = \sum_{i=201}^{212} [(P_i) (A_i) (x_i)] - \sum_{j=225}^{236} [(P_j) (A_j) (x_j)]$$

$$C_{h_{FDI}} = \frac{H_{MFDI}}{qS_{FD} C_{FD}}$$

Outboard flipper door

$$H_{MFDO} = \sum_{i=213}^{224} [(P_i) (A_i) (x_i)] - \sum_{j=237}^{248} [(P_j) (A_j) (x_j)]$$

$$C_{h_{FDO}} = \frac{H_{MFDO}}{qS_{FD} C_{FD}}$$

Body flap hinge moments

$$H_{MBF} = \sum_{i=301}^{307} [(P_i) (A_i) (x_i)] - \sum_{j=314}^{325} [(P_j) (A_j) (x_j)]$$

$$C_{h_{BF}} = \frac{H_{MBF}}{qS_{BF} C_{BF}}$$

DATA REDUCTION (Continued)

where:

i = upper surface pressure tap numbers

j = lower surface pressure tap numbers

Speed brake hinge moments

$$H_{MSB} = \sum_{m=410}^{436} [(P_m) (A_m) (x_m)] - \sum_{n=437}^{454} [(P_n) (A_n) (x_n)]$$

$$C_{hSB} = \frac{H_{MSB}}{q_{SSBCSB}}$$

where:

m = outer surface pressure tap numbers

n = inner surface pressure tap numbers

Pressure coefficients judged to be incorrect were deleted and areas reassigned by manual input to the on-line computer program. Final hinge moment data were integrated by Dataman from plotted and smoothed pressure coefficient data.

The following flow angularity corrections were applied to the final data:

OA145A No flow angularity, blockage or wall corrections were applied to the data obtained in the 11 ft. transonic facility.

OA145B Flow angularity corrections based on comprehensive evaluations of "TACT" (Transonic Aircraft Technology) program test data were applied to the final data. These corrections represent large model values above and beyond standard facility corrections.

DATA REDUCTION (Continued)

OA145C Standard facility flow angularity corrections were applied to the data obtained in the 8 x 7 facility.

Reference dimensions and constants used were:

<u>SYMBOL</u>	<u>DESCRIPTION</u>	<u>MODEL SCALE</u>	<u>FULL SCALE</u>
S_w	Wing reference area, ft. ²	6.725	2690.
b_w	Wing reference span, in.	46.834	936.68
c_w	Wing reference MAC, in.	23.740	474.81
MRC	Moment Reference Center		
	X, in.	53.834	1076.68
	Y, in.	0.0	0.0
	Z, in.	18.75	375.0
X_{CG}	Length, nose IML to MRC, in.	41.934	838.68
LB	Body reference Length, in.	64.515	1290.3
S_E	Elevon reference area, in. ²	75.60	30240.
c_E	Elevon reference chord, in.	4.535	90.7
S_{FD}	Flipper door reference area, in. ²	75.60	30240.
c_{FD}	Flipper door reference chord, in.	4.535	90.7
S_{BF}	Body flap reference area, in. ²	48.60	19440.
c_{BF}	Body flap reference chord, in.	4.050	81.0
S_{SB}	Speed brake reference area, in. ²	36.05	14421.6
c_{SB}	Speed brake reference chord, in.	3.660	73.2
A_C	Base sting cavity area, ft. ²	0.1963	
A_{B1}	Base area, Tap 1, ft. ²	0.0587	
A_{B2}	Base area, Tap 2, ft. ²	0.0824	

DATA REDUCTION (Concluded)

<u>SYMBOL</u>		<u>MODEL SCALE</u>	<u>FULL SCALE</u>
A _{B3}	Base area, Tap 3, ft. ²	0.0467	
A _{B4}	Base area, Tap 4, ft. ²	0.0553	
A _{B5}	Base area, Tap 5, ft. ²	0.0772	
A _{B6}	Base area, Tap 6, ft. ²	0.1146	
A _{B7}	Base area, Tap 7, ft. ²	0.1798	
A _{B8}	Base area, Tap 8, ft. ²	0.0860	
A _{B9}	Base area, Tap 9, ft. ²	0.1950	

REFERENCES

1. SD76-SH-0189 "Pretest Information for Tests OA145A, B, C of a .05-Scale Model (39-0) of the SSV Orbiter 102 in the NASA/ARC Unitary Plan Wind Tunnel," dated September 30, 1976.
2. Report NA76-662, "Structural Analysis for the 0.05-Scale SSV Orbiter Verification Model 39-0."
3. Rockwell Internal Letter SAS/AERO/77-038, "Model Readiness Review Model 39-0," dated December 20, 1976.
4. SPRT9F-1, "Elevon and Flipper Door Hinge Moments from Pressure Data of Test OA145A, B, C, and OA101", November 1978.

TABLE I.

TEST : 0A145A, B, C	DATE :		
TEST CONDITIONS			
MACH NUMBER	REYNOLDS NUMBER (per unit length) x 10 ⁶	DYNAMIC PRESSURE (pounds/sq. inch)	STAGNATION TEMPERATURE (degrees Fahrenheit)
0.6	5.0, 3.0, 9.0		
0.8			
0.9			
0.95			
1.05			
1.10			
1.20			
1.30			
1.40	▼		
1.55	4.0		
2.0	1.5, 3.5, 4.5		
2.5	2.5, 3.25, 3.5, 4.0		
3.0	1.0, 2.5		
3.5	2.5		

BALANCE UTILIZED: 4 INCH TASK MKIVA

	CAPACITY:	ACCURACY:	COEFFICIENT TOLERANCE:
NF	<u>6000/6000 LBS</u>	<u>0.5%</u>	<u>*</u>
SF	<u>3000/3000 LBS</u>	<u>"</u>	<u> </u>
AF	<u>2500 LBS</u>	<u>0.2%</u>	<u> </u>
PM	<u> </u>	<u> </u>	<u> </u>
RM	<u>16000 IN-LB</u>	<u>0.5%</u>	<u> </u>
YM	<u> </u>	<u> </u>	<u> </u>

COMMENTS: Accuracy applies to maximum gage capacity.
 *Coefficient tolerance based on root sum square of forward and aft gages, tolerance quoted for range of Mach number tested.
 See Table VIII.

TABLE II. DATA SET/RUN COLLATION SUMMARY (Continued)

[illegible]

TABLE II. DATA SET/RUN COLLATION SUMMARY (Continued)

TEST: $\Phi A145A(\text{ARC } 11 - 118)$		DATA SET/RUN NUMBER COLLATION SUMMARY																		DATE :												
DATA SET IDENTIFIER		CONFIGURATION	MACH																		TEST RUN NUMBER:											
			α	β	δe	δa	δb	δc	δd	δe	δf	δg	δh	δi	0.6	0.8	0.9	0.95	1.05	1.1	1.2	1.3	1.4									
R2FO26	ELEV ϕ N EFFECTS	E	0	5	0	0	0	25	0	5	69	109	92	63	244	242	86	74	149													
27		E	0	10							72	108	100	66	247	243	87	73	150													
28		C	0	20							404	408	393	394			428	427	416													
29		E	0	-5							70	110	91	64	245	244	85	76	148													
30		C	0	-10							71	111	90	65	246	240	84	77	147													
31		C	0	-20							405	409	392	395			429	426	417													
32		C	0	-30							406	410	391	396			430	425	424													
33	FLY ELEV ϕ N	5	0	B	0	0	25	0	5	261																						
34		5	0	FC						68	105	104	67			437	88	80	151													
35		0	0	FC								443	440																			
36		10	0	FC								442	441																			
37		5	2	B							262	256	203	819		438	236	226	305													
38	ELEV ϕ N IN β	0	A	-5	0	0	25	0	5	785	778	777	770																			
39		0	A	5						784	779	776	771																			
40		5	A	10						192	120	178	131		436	169	141	161														
41				5						191	119	177	130		435	168	140	160														
42				-5						190	118	176	129		434	167	139	159														
43				-10						189	117	175	128		433	166	138	158														
		7	13	19	25	31	37	43	49	55	61	67	75	76																		
		COEFFICIENTS												IDVAR (1) IDVAR (2) NDV																		
		$\alpha(E) = -10, -5, 0, 3, 5.5, 8.5, 10.5, 12.5, 15.5, 20.5$												$\delta e(FC) = -10, -8, -6, -4, -3, -2, -1, 0, 1, 2, 3, 4, 6, 8, 10$																		
		α OR β SCHEDULES $\delta e(\beta) = -30, -20, -15, -10, -6, -4, -2, 0, 2, 4, 6, 10, 15$																														

NASA-MSFC-MAF

TABLE II. DATA SET/RUN COLLATION SUMMARY (Continued)

TEST: $\phi A145A(ARC\ 11 - 118)$

DATE :

DATA SET / RUN NUMBER COLLATION SUMMARY

DATA SET IDENTIFIER	CONFIGURATION	TEST RUN NUMBER:																	
		α	θ	δe	$\delta \alpha$	$\delta \beta$	$\delta \gamma$	δR	R_e/F_L	0.6	0.8	0.9	0.95	1.05	1.1	1.2	1.3	1.4	
R2F044	ELEV ΦN IN β	10	A	-5	0	0	25	0	5	782	781	774	773						
45		10		5						783	780	775	772			769	762	761	
46	AILERON	C	O	O	3					264	250	197	194		431	229	220	211	
47		C			5					267	253	200				232	223	214	
48	FLY $\delta \alpha$	5			FCH+					258	257	204	195		439	237	227	218	
49		5			FCH-					259		205				238			
50	ELEV DOWN EFFECT ON $\delta \alpha$	C		10	3					265	251	198				230	221	212	
51		C			5					266	252	199				231	222	213	
52		C		-10	3					263	249	196				228	219	210	
53		C			5					268	254	201				233	224	215	
54	FLY $\delta e @ \delta \alpha$	5		B						260	255	202	206			235	225	216	
55		5		B														217	
56		-5		O	B											234			
57	BODY FLAP	FC	O	O	O	-11.7				247	241	288	282		315	314	306	301	
58		FC				16.3				248	242	289	284		316	313	307	302	
59		FC				22.5				249	243	290	285		317	311	308	303	
60		5				FC				246	244	287	286		318	310	309	304	

1 7 13 19 25 31 37 43 49 55 61 67 75 76

COEFFICIENTS
 α OR β $\delta \alpha(FCH+) = -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5$
SCHEDULES $\delta \alpha(FCH-) = -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5$
IDVAR (1) IDVAR (2) NDV

TABLE II, DATA SET/RUN COLLATION SUMMARY (Continued)

TEST: $\Phi A145A(ARC11-118)$															DATE:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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DATA SET IDENTIFIER	CONFIGURATION	MACH															TEST RUN NUMBER:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
		α	θ	δe	δa	$\delta \phi$	$\delta \theta$	δR	R_e/E	0.6	0.8	0.9	0.95	1.05	1.1	1.2	1.3	1.4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
R2F061	RUDDER EFFECT	0	0	0	0	0	25	A	5	329	344	340	413																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				

TABLE II. DATA SET/RUN COLLATION SUMMARY (Continued)

TEST: $\Phi A145A(ARC 11 - 118)$																		DATE: _____																	
DATA SET / RUN NUMBER COLLATION SUMMARY																																			
DATA SET IDENTIFIER		CONFIGURATION		MACH														TEST RUN NUMBER:																	
α	β	δe	δa	δb	$\delta s b$	δR	R/E	0.6	0.8	0.9	0.95	1.05	1.1	1.2	1.3	1.4																			
R2F079	C	0	0	0	0	-5	5	652		640	624			610		601																			
80	B	0	0	0	0	-5	5	653		641	625			611		602																			
81	B	0	0	0	0	-228	5	654		642				612		603																			
82	C	0	0	0	-117	0	5	8.4 662	0.6 657																										
83	B	0	0	0	-117	0	5	663	658																										
84	C	0	0	0	0	7.5	0	906	904	901	899																								
85	C	2				0		907	905	902	900																								
86	B	0				D		908		903																									
87	C	0	0	0	0	15	0	705	699	693	680			679		666																			
88	B					0		703	698	692	681			678		667																			
89	O	0				A		700	694	688	685			673		670																			
90	S	0				A		702	696	690	684			676		669																			
91	O	0				A		701	695	687	686			674		671																			
92	B	0				A								675		672																			
93	B					-5		704	697	691	683			677		668																			
1	7	13	19	25	31	37	43	49	55	61	67	73	76																						
																		COEFFICIENTS																	
																		$\alpha(q) = -5, 0, 2.5, 5, 8, 10, 12, 15, 17, 19$																	
																		SCHEDULES $\delta R(D) = -10, -5, -2.5, 0, 2.5, 5, 0, 10$																	
																		IDVAR (1) IDVAR (2) NDV																	

NASA-MSEC-MAF

TABLE II. DATA SET/RUN COLLATION SUMMARY (Continued)

TEST: $\Phi A145A(ARC 11-118)$																		DATE: _____									
DATA SET/RUN NUMBER COLLATION SUMMARY																											
DATA SET IDENTIFIER	CONFIGURATION	MACH										TEST RUN NUMBERS															
		α	β	δe	δa	δb	δs	δr	Re/ℓ	0.6	0.8	0.9	0.95	1.05	1.1	1.2	1.3	1.4									
R2F094	$\delta_{\beta} B = 40$	C	0	0	0	0	0	0	5	731	726	725	717			713		710									
95	\downarrow	5	B					0		728	727	724	718			714		708									
96	$\delta_{\beta} B = 40(RUDDER)$	5	0					A		730		721	720			712		711									
97	$\delta_{\beta} B = 40(RUDDER IN \beta)$	5	B	\downarrow	\downarrow	\downarrow	\downarrow	-5	\downarrow	729		723	719			715		709									
98	$\delta_{\beta} B = 55$	C	0	0	0	0	55	0	5	585	574	563	560		551	534	533	514									
99		C	2							872	871	870	869			868	867	866									
A0		0	A							590	575	572	553			542											
A1		5	C							589	582	567	556		552	538	530	518									
A2		10	C							591	576	573	554			547	526	525									
A3	\downarrow	15	C					\downarrow		592		574	555			546	527	524									
A4	$\delta_{\beta} B = 55(RUDDER)$	0	0					A		593	577	571	558			543											
A5		5	0					A		584	583	568	562			541	529	520									
A6		10	0					A		594	578	570	559			544	528	521									
A7		15	0					A								545		522									
A8	\downarrow	C	0					-5		586	580	564	561			548	532	515									
A9	$\delta_{\beta} B = 55(RUDDER IN \beta)$	5	A					-5		587	581	565	557			539	531	516									
\downarrow B0	\downarrow	5	A	\downarrow	\downarrow	\downarrow	\downarrow	-228	\downarrow	588		566				540		517									
		7	13	19	25	31	37	43	49	55	61	67	75	76													
																		COEFFICIENTS									
																		IDVAR (1) IDVAR (2) NDV									
																		</									

NASA-MSFC-MAF

TABLE II. DATA SET/RUN COLLATION SUMMARY (Continued)

TEST : $\Phi A145A(ARC11-118)$																							DATE :				
DATA SET/RUN NUMBER COLLATION SUMMARY																											
DATA SET IDENTIFIER		CONFIGURATION		MACH																							
α	θ	δe	δa	δb	δc	δd	δR	Re/ft	0.6	0.8	0.9	0.95	1.05	1.1	1.2	1.3	1.4	TEST RUN NUMBER:									
R2F001	$\delta_{SB} = 70$	C	0	0	0	0	0	5	753	752	748	743						1.4									
B2	\downarrow	5	A				0		754	751	749	744			742		735										
B3	$\delta_{SB} = 70(RUDDER)$	5	0				A		756		747	746			741		736										
B4	$\delta_{SB} = 70(RUDDER IN \beta)$	5	A	\downarrow	\downarrow	\downarrow	-5	\downarrow	755		750	745			739		738										
															740		737										
B5	$\delta_{SB} = 87.2$	C	0	0	0	0	0	5	450	460	462	473		486	489		500										
B6		C	2						880	879	878	877			876	875	874										
B7		0	C						457	458	468	479			506												
B8		5	A						447	459	463	474		487	488		504										
B9		10	C						455		469	480			507		496										
C0	\downarrow	15	C				\downarrow		456		470				508		497										
C1	$\delta_{SB} = 87.2(RUDDER)$	0	0				D		453		471	482			509												
C2		5	0				D		452		464	475			490		505										
C3		10	0				D		454		472	481			510		499										
C4		15	0				D								511		498										
C5	\downarrow	C	0				-5		451		465	476			491		501										
C6	$\delta_{SB} = 87.2(RUDDER IN \beta)$	5	A				-5		448		466	477			492		502										
\downarrow C7	\downarrow	5	A	\downarrow	\downarrow	\downarrow	-10	\downarrow	449		467				493		503										
COEFFICIENTS																											
a OR β																											
SCHEDULES																											
IDVAR 11 IDVAR 12 NDV																											

TABLE II. DATA SET/RUN COLLATION SUMMARY (Continued)

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[illegible]

NASA-MSC-MAF

TABLE II. DATA SET/RUN COLLATION SUMMARY (Continued)

TEST: $\Phi A145A(ARC 11-118)$		DATA SET/RUN NUMBER COLLATION SUMMARY														DATE:	
DATA SET IDENTIFIER	CONFIGURATION	MACH															
		α	β	δa	δb	δc	δd	δe	δf	δg	δh	δi	δj	δk	δl	1.1	1.2
R2F0F8	PACHANUS	187	E	0	0	0	0	0	0	0	0	0	0	0	0	1.1	1.2
	EFFECT															1.3	1.4
G9																	
G10																	
G11																	
G12																	
G13																	
G14																	
G15	NIP5 NOZ 2 OFF	G	0	0	0	0	0	0	0	0	0	0	0	0	0	1.1	1.2
G16		5	A	0	0	0	0	0	0	0	0	0	0	0	0	1.3	1.4
G17	VERTICAL	5	0	0	0	0	0	0	0	0	0	0	0	0	0	1.1	1.2
G18	TRANS															1.3	1.4
G19	RUDDER															1.1	1.2
H0																1.3	1.4
H1																1.1	1.2
H2																1.3	1.4

α OR β SCHEDULES $\beta(E) = -4, -3, -2, -1, -0.5, 0, 0.5, 1, 2, 3, 4$

$z(A) = -40, -20, 0, 20, 40$
 $z(B) = -40, -30, -20, -10, 0, 10, 20, 30, 35$

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TABLE II. DATA SET/RUN COLLATION SUMMARY (Continued)

TEST: $\Phi A145A(ARC11-118)$

DATE:

DATA SET / RUN NUMBER COLLATION SUMMARY

DATA SET IDENTIFIER	CONFIGURATION	MACH																	TEST RUN NUMBER:
		α	θ	δe	δa	$\delta \phi$	$\delta \psi$	δR	R_e/FR	0.6	0.8	0.9	0.95	1.05	1.1	1.2	1.3	1.4	
R2FOH3		FC	2	0	0	0	0	25	0	5						170	142		
T H4		FC	0	0	0	0	0	25	0	5	418								
H5		G	0	0	0	0	0	25	0	5		98							
H6		G	0	10	0	0	0	25	0	5		99							
H7		G	0	10	0	0	0	25	0	5		93							
H8		5	REF	0	0	0	0	25	0	5		181							
H9		20	F	0	0	0	0	25	0	5	8.4 333							423	
I0		C	0	20	0	0	0	25	0	5									
I1		2	C	0	0	0	0	87.2	0	5	478								
I2		H	0	0	0	0	0	87.2	0	5	483								
I3		5	A	0	0	0	0	55	0	5					537			519	
I4		5	0	0	0	0	0	55	E	5									
I5		5	0	0	0	0	0	15	A	5		689							
I6		I	0	0	0	0	0	40	0	5								716	
I7		5	2	B	0	0	0	25	0	5		818							
I8		J	0	0	0	0	0	7.5	0	5		898							
I9		FC	0	0	0	0	16.3	25	0	5		283							
		F	0	0	0	0	-11.7	25	0	5	0.4 444								
I		O	A	0	0	0	0	25	0	5	419								

7

13

19

25

31

37

43

49

55

61

67

73

76

α OR β

SCHEDULES

$\alpha(H) = -5, 0, 5, 10$
 $\alpha(I) = 5, 10, 15$
 $\alpha(J) = -5, 0, 2.5, 5, 8, 10, 12$

COEFFICIENTS

$\delta R(E) = -15, -10, -5, -2.5, 0$
 $\beta(E) = -4, -3, -2, -1, 0$

IDVAR (1)

IDVAR (2)

NDV

[illegible]

TABLE II. DATA SET/RUN COLLATION SUMMARY (Continued)

COEFFICIENT SCHEDULES:

First character identified for Force Data

R	CN	CA :	CL	CD	CLM	CY	CYN	CBL	ELEVØN	AILRØN
A	CHEØ	CHEI	CHFDØ	CHFDI	CHBF	CHSB	AILRØN	ELEVØN		
B	CONF	RN	Q	CAB	CAC	CAF	L/D	XCP/L	P	
C	BETA/ALPHA		ELEVØN	AILRØN	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-ØB	AIL-IB AIL-ØB
D	ELV-LØ	ELV-LI	ELV-RØ	ELV-RI	DELL	DELR	DRHL			
E	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13

PRESSURE DATA COMPONENTS:

Fourth Character Identifier for Pressure Dataset

C	Inboard Elevon Lower Surface
D	Outboard Elevon Lower Surface
I	Inboard Flipper Door Upper Surface
J	Outboard Flipper Door Upper Surface
Q	Inboard Elevon Upper Surface
R	Outboard Elevon Upper Surface
S	Body Flap Upper Surface

TABLE II. DATA SET/RUN COLLATION SUMMARY (Concluded)

T	Body Flap Lower Surface
W	Rudder Outer Surface
X	Rudder Inner Surface
6	Orbiter Base
8	Sting Lower Surface
9	Sting Upper Surface

Note: Eleven cove (flipper door lower surface) pressure coefficient data is presented in force format (schedule E above).

TABLE III. WING AND ELEVEN PRESSURE TAP LOCATIONS

Spanwise Location - η	Upper Surface XW/cw					Upper Surface XE/CFL						
	0.150	0.250	0.400	0.550	X ₀ 1359.6	-0.100	0.100	0.200	0.400	0.600	0.800	1.000
Inboard Edge									101		102	
0.340					15			103	104	105	106	107
0.427					25			108	109	110	111	112
0.534	31	32	33	34	35			113	114	115	116	117
0.615					45			118	119	120	121	122
Inboard Gap Edge									123		124	
Outboard Gap Edge									125		126	
0.715					55			127	128	129	130	131
0.800	61	62	63	64	65			132	133	134	135	136
0.887					75			137	138	139	140	141
0.960					85			142	143	144	145	146
Outboard Edge									147		148	149
	Lower Surface XW/CW					Lower Surface XE/CFL						
Inboard Edge									150		151	
0.340						20	152	153	154	155	156	
0.427						30	157	158	159	160	161	
0.534	36	37	38	39		40	162	163	164	165	166	
0.615						50	167	168	169	170	171	
Inboard Gap Edge									172		173	
Outboard Gap Edge									174		175	
0.715						60	176	177	178	179	180	
0.800	66	67	68	69		70	181	182	183	184	185	
0.887						80	186	187	188	189	190	
0.960						90	191	192	193	194	195	
Outboard Edge									196		197	

TABLE IV. FLIPPER DOOR PRESSURE TAP LOCATIONS

SPANWISE LOCATION WING η	UPPER SURFACE X_{FD}/C_{FD}		
	0.10	0.50	0.90
0.340	201	202	203
0.427	204	205	206
0.534	207	208	209
0.615	210	211	212
0.715	213	214	215
0.800	216	217	218
0.887	219	220	221
0.960	222	223	224
INTERNAL CAVITY X_{FD}/C_{FD}			
	0.10	0.50	0.90
0.340		225	
0.427		228	
0.534		231	
0.615		234	
0.715		237	
0.800		240	
0.887		243	
0.960		246	

TABLE V. BODY FLAP PRESSURE TAP LOCATIONS

SPANWISE LOCATION $\eta = y/b$ at Hingeline	UPPER SURFACE X_{BF}/C_{BF}			
	-0.20	0.20	0.60	1.00
0.10 (L.H. Side)		301	302	303
0.20			304	
0.35				
0.50 ($Y_O = 0$)		305	306	307
0.80 (R.H. Side)			308	
	LOWER SURFACE X_{BF}/C_{BF}			
	-0.20	0.20	0.60	1.00
0.10 (L.H. Side)	309	314	315	316
0.20	310	317	318	319
0.35	311	320	321	322
0.50 ($Y_O = 0$)	312	323	324	325
0.80 (R.H. Side)	313	326	327	328

TABLE VI. SPEED BRAKE PRESSURE TAP LOCATIONS

SPANWISE LOCATION $\eta = y/b$ at HINGELINE	OUTER SURFACE (L.H.) X_R/C_R				
	-0.20	0.20	0.60	0.80	1.00
0.10 (BOTTOM)	401	410	411		
0.20	402	412	413		414
0.30	403	415	416		417
0.40	404	418	419		420
0.50	405	421	422		423
0.60	406	424	425		426
0.70	407	427	428		429
0.80	408	430	431		432
0.90	409	433	434		435
1.03 (TOP)				436	
	INSIDE SURFACE (L.H.) X_R/C_R				
0.10 (BOTTOM)		437	438		
0.20		439	440		441
0.30					
0.40		442	443		444
0.50		445	446		447
0.60					
0.70		448	449		450
0.80					
0.90		451	452		453
1.03 (TOP)				454	

TABLE VII. AIR DATA PROBE AND STING
PRESSURE TAP LOCATIONS

AIR DATA PROBE PRESSURES

L.H. SIDE AT X_0 291.67, Z_0 320.46	12
R.H. SIDE AT X_0 291.67, Z_0 320.46	13

STING PRESSURES

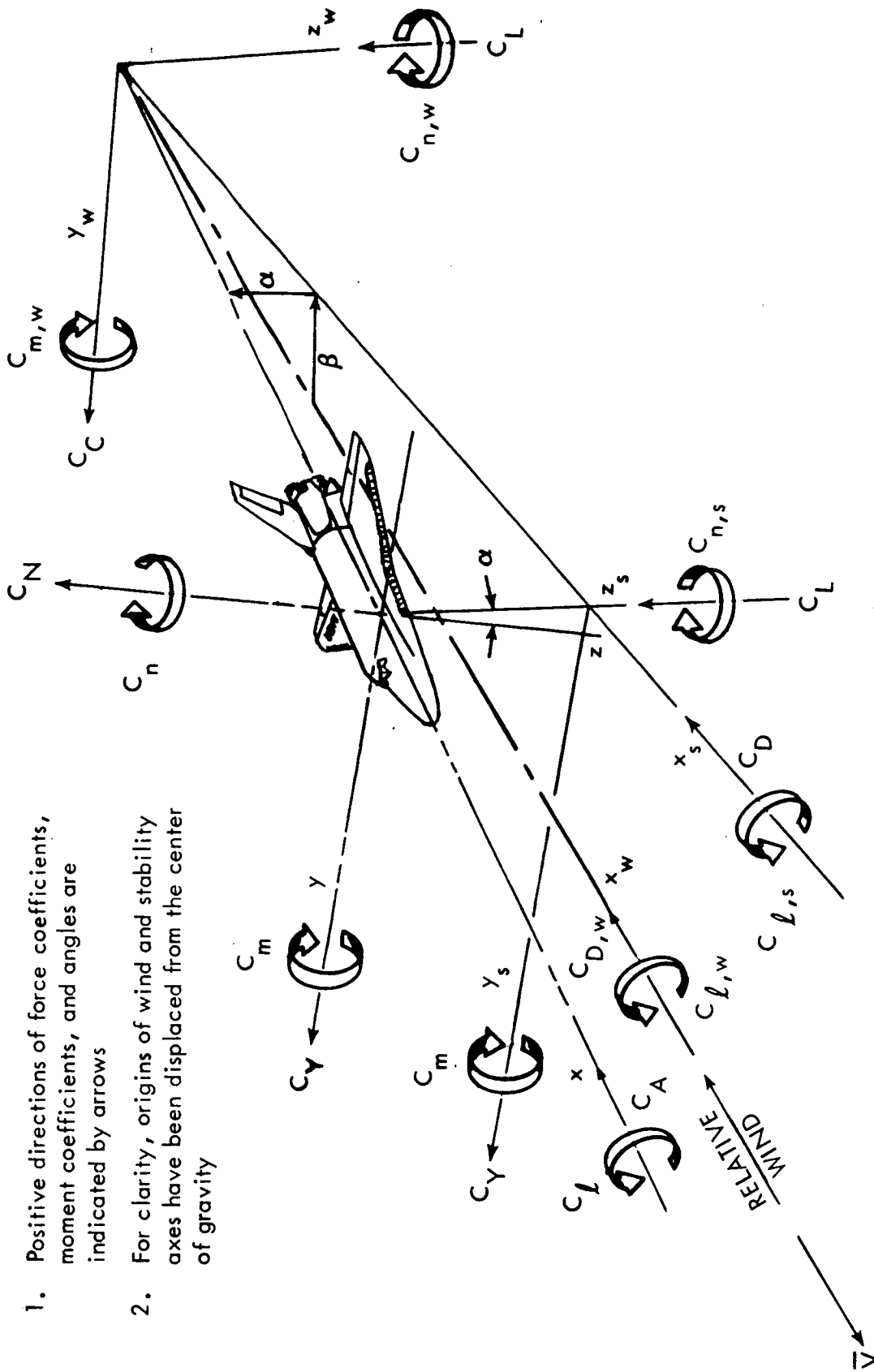
DISTANCE FROM MODEL BASE STATION - INCHES	UPPER STING	LOWER STING
0	501	511
2	502	512
4	503	513
6	504	514
8	505	515
10	506	516
12	507	517
14	508	518
16	509	519
18	510	520

TABLE VIII. COEFFICIENT TOLERANCES FOR THE 4-INCH TASK MKIVA BALANCE

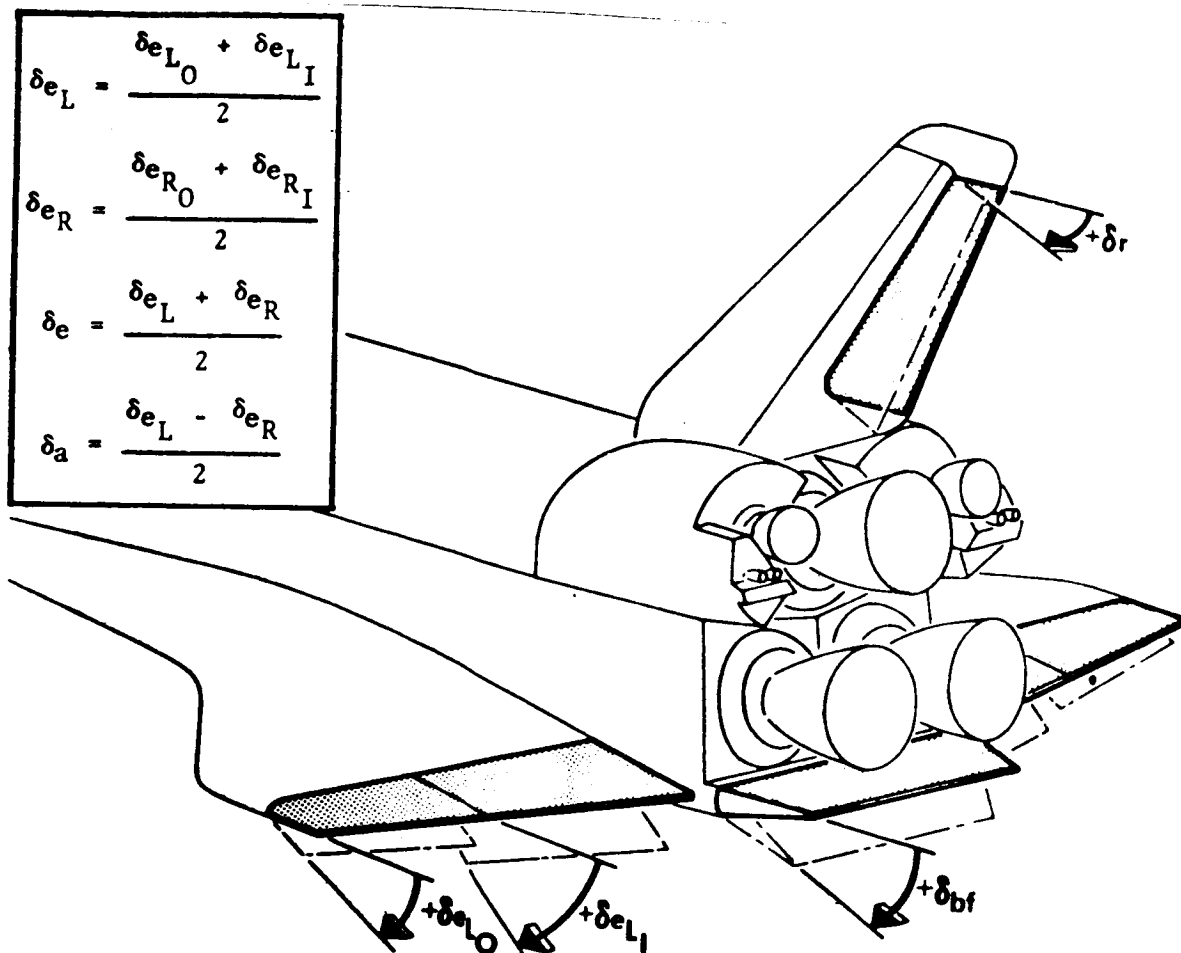
<u>COEFFICIENT</u>	<u>MACH NUMBER</u>		
	<u>.6</u>	<u>1.2</u>	<u>3.5</u>
C _N	±0.009600	±0.006100	±0.017100
C _m	±0.002800	±0.001700	±0.005000
C _y	±0.004800	±0.003000	±0.008500
C _n	±0.000580	±0.003700	±0.001050
C _A	±0.001100	±0.000700	±0.002000
C _ℓ	±0.000385	±0.000240	±0.000690

Notes

1. Positive directions of force coefficients, moment coefficients, and angles are indicated by arrows
2. For clarity, origins of wind and stability axes have been displaced from the center of gravity

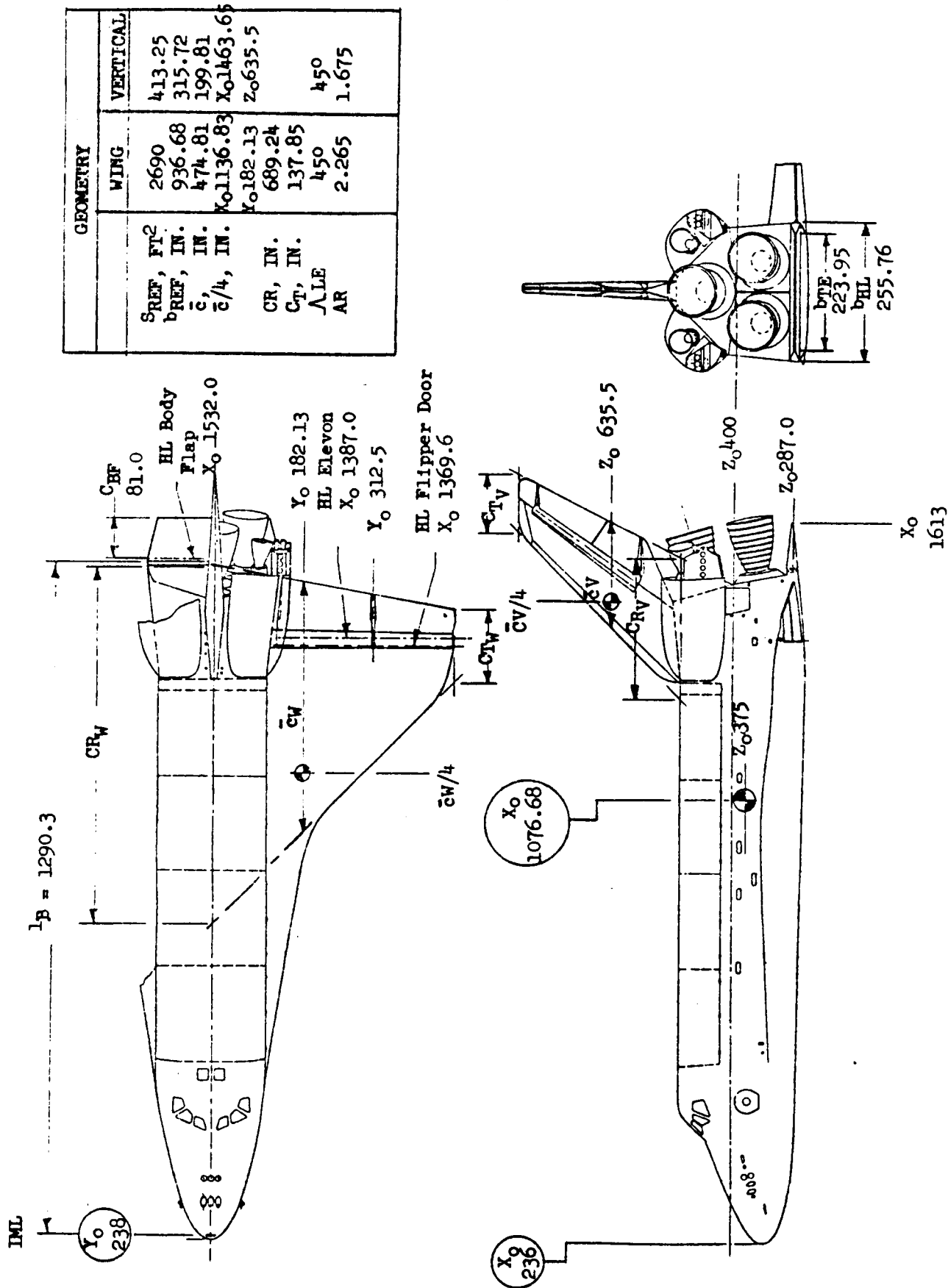


a. Axes Systems Definition
Figure 1. Axes systems and sign convention.

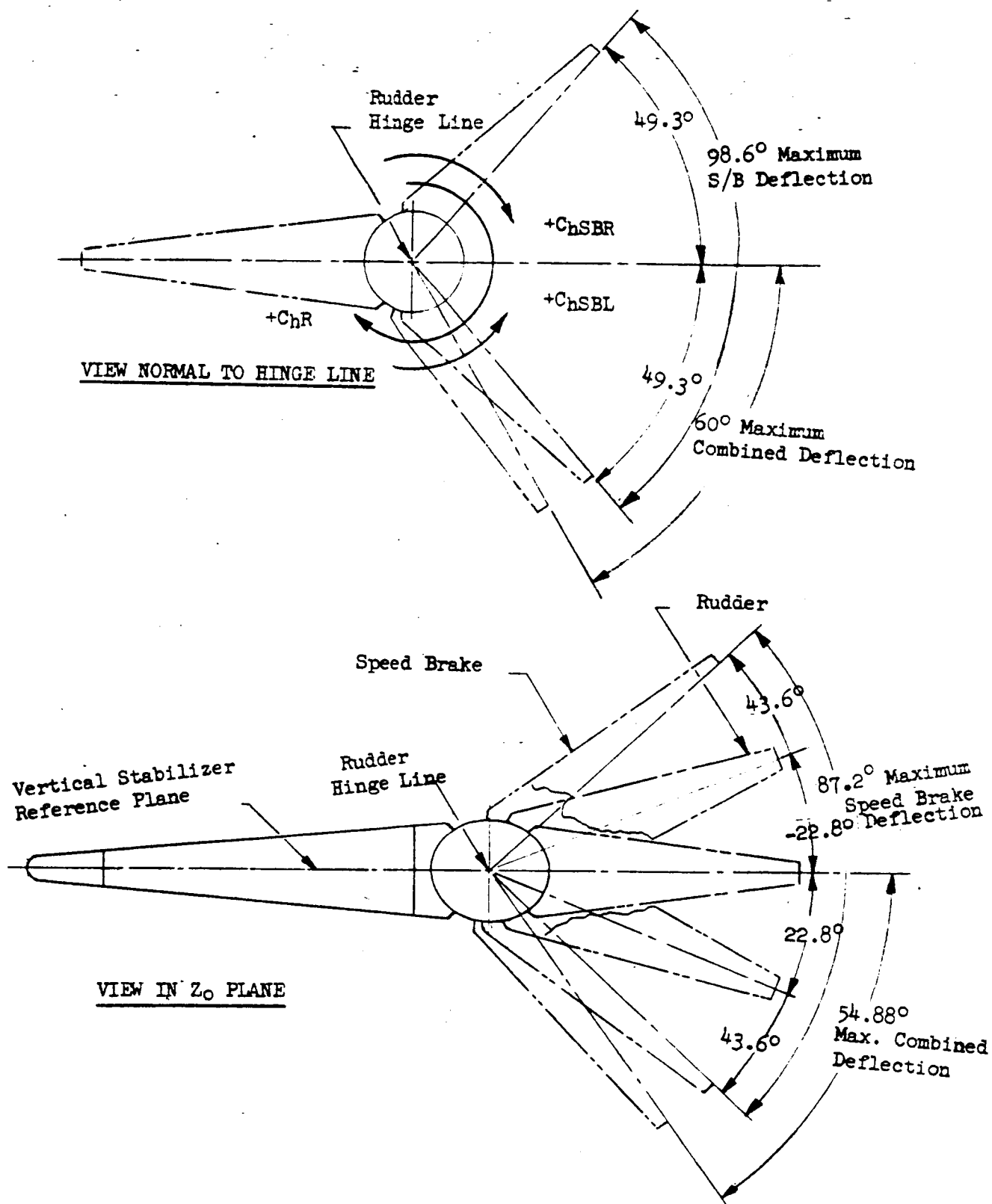


Positive Deflection of	Angle	Aero Forces and Moments	Hinge Moment
Rudder, δ_r	$+\beta$, $-\psi$	$+C_Y$, $-C_n$	$-C_{h_r}$
Elevon, δ_e	$-\alpha$, $-\theta$	$-C_m$	$-C_{h_e}$
Right, δ_{eR}	$-\phi$	$-C_l$	$-C_{h_{eR}}$
Left, δ_{eL}	$+\phi$	$+C_l$	$-C_{h_{eL}}$
Aileron, δ_a	$+\phi$	$+C_l$	
Body Flap, δ_{bf}	$-\alpha$, $-\theta$	$-C_m$	$-C_{h_{bf}}$

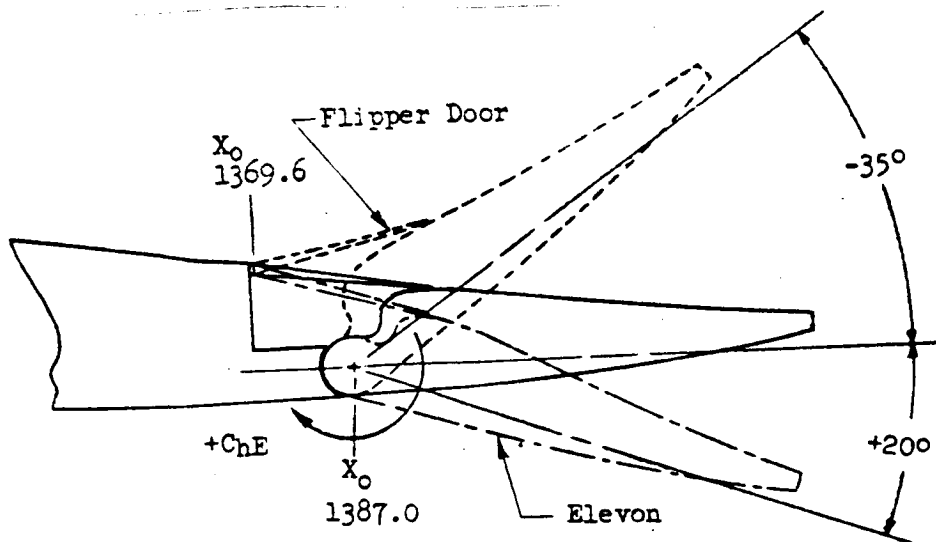
b. Control Surface Deflections
Figure 1. Continued.



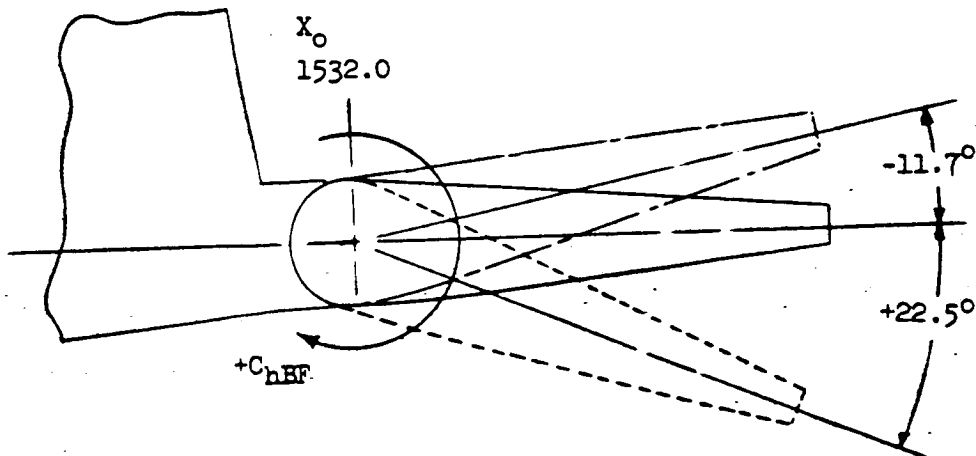
c. Orbiter Reference Dimensions
Figure 1. Continued.



d. Rudder/Speed Brake Deflections
Figure 1. Continued.

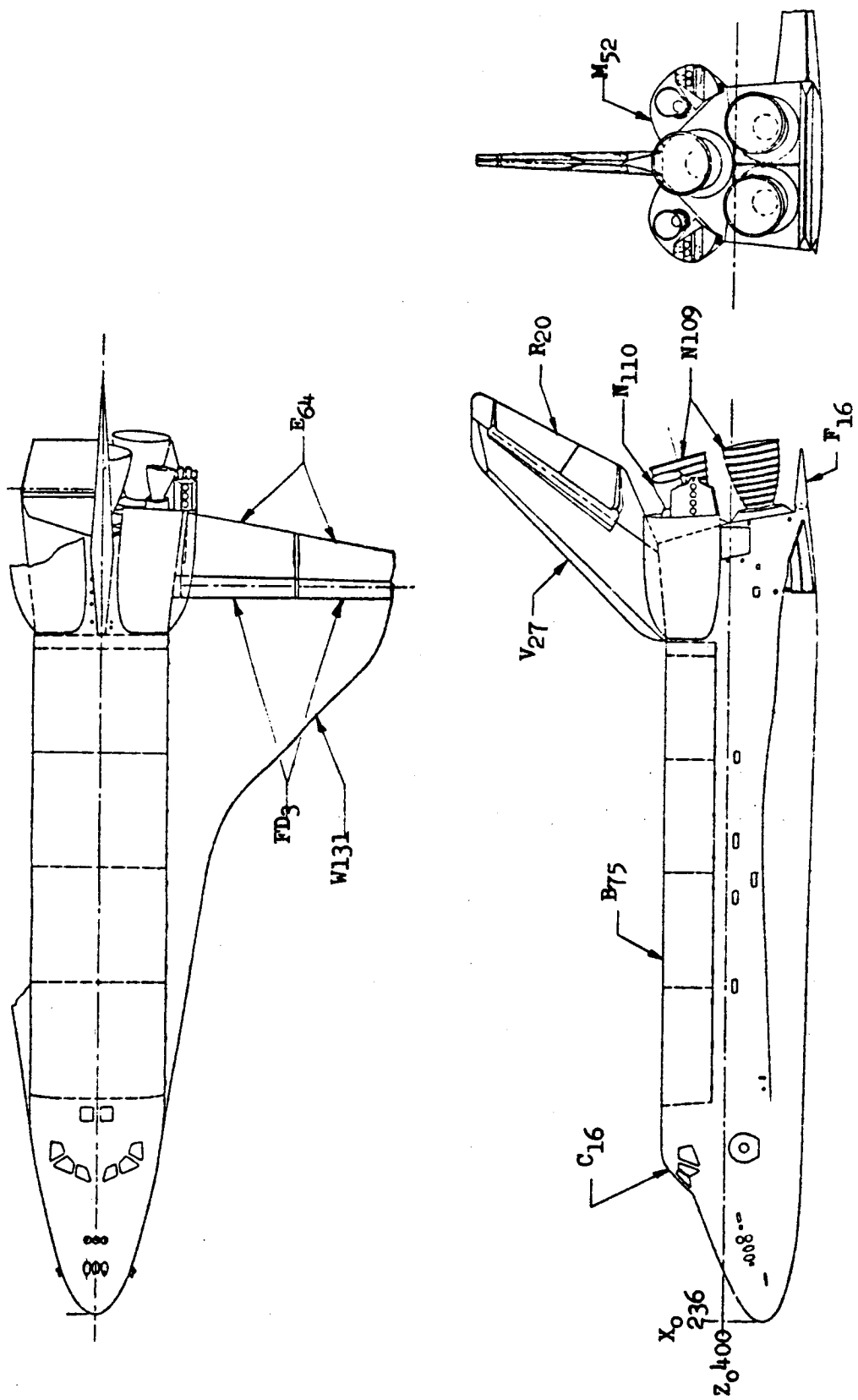


ELEVON DEFLECTIONS

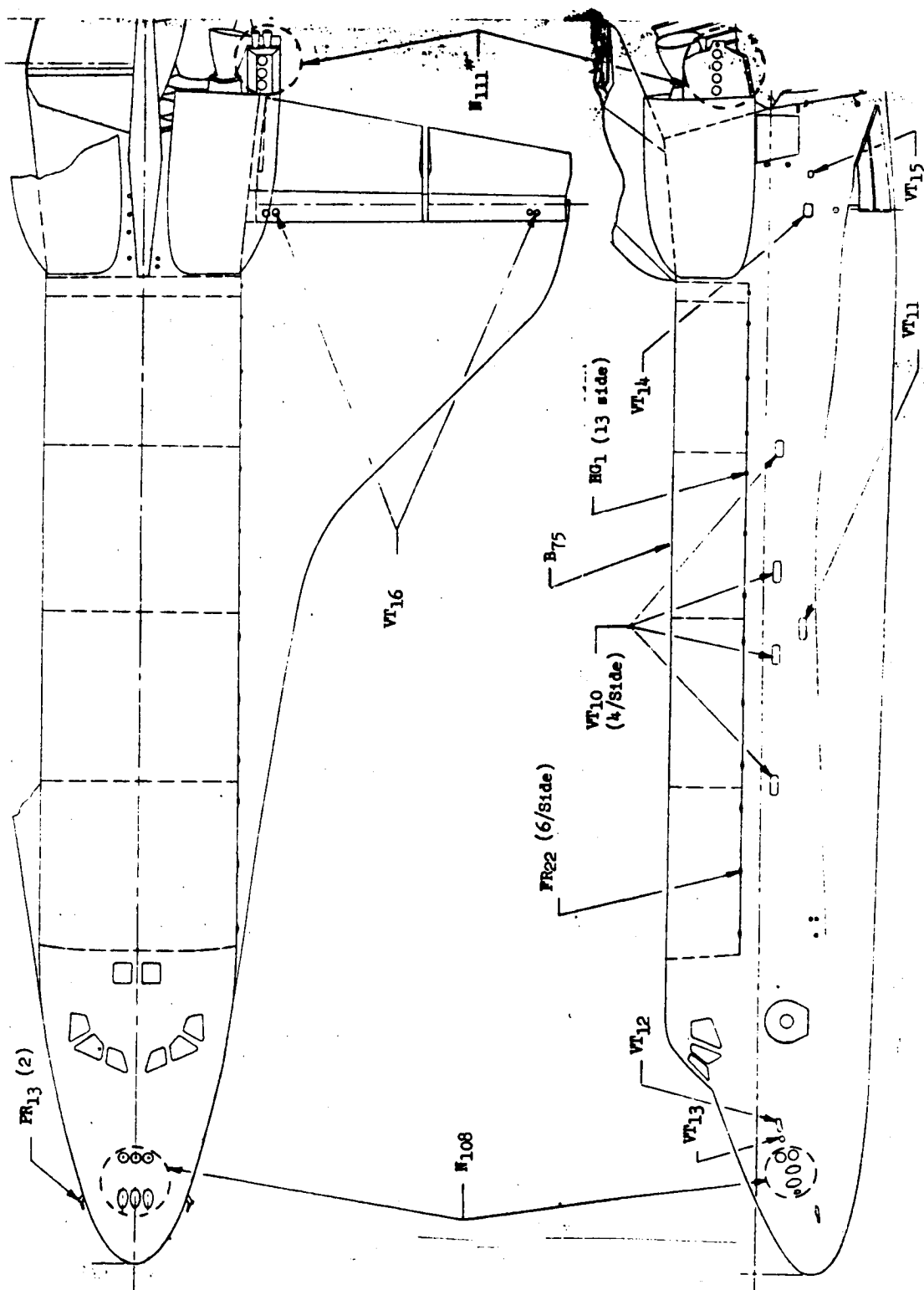


BODY FLAP DEFLECTIONS

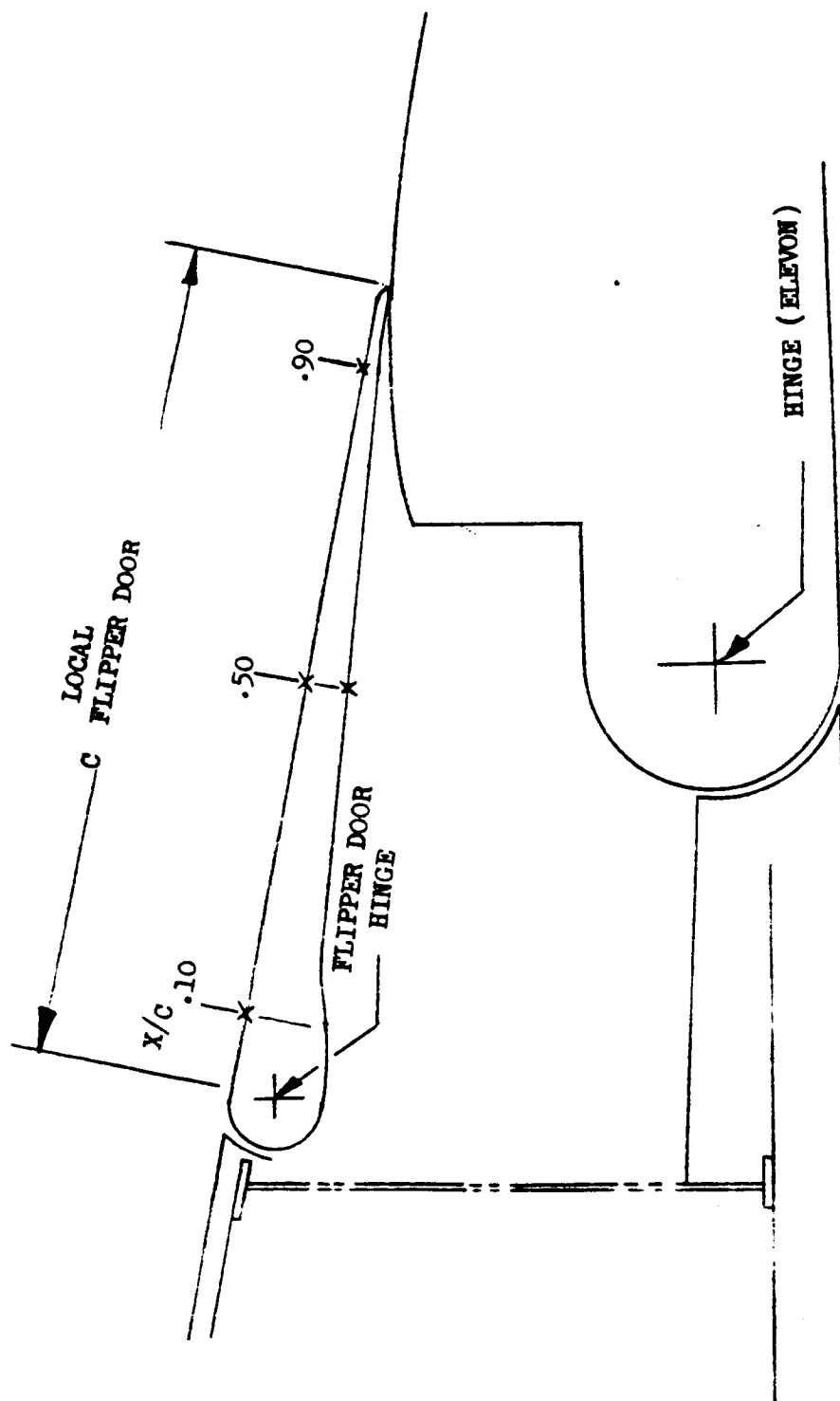
e. Elevon and Body Flap Deflections
Figure 1. Concluded.



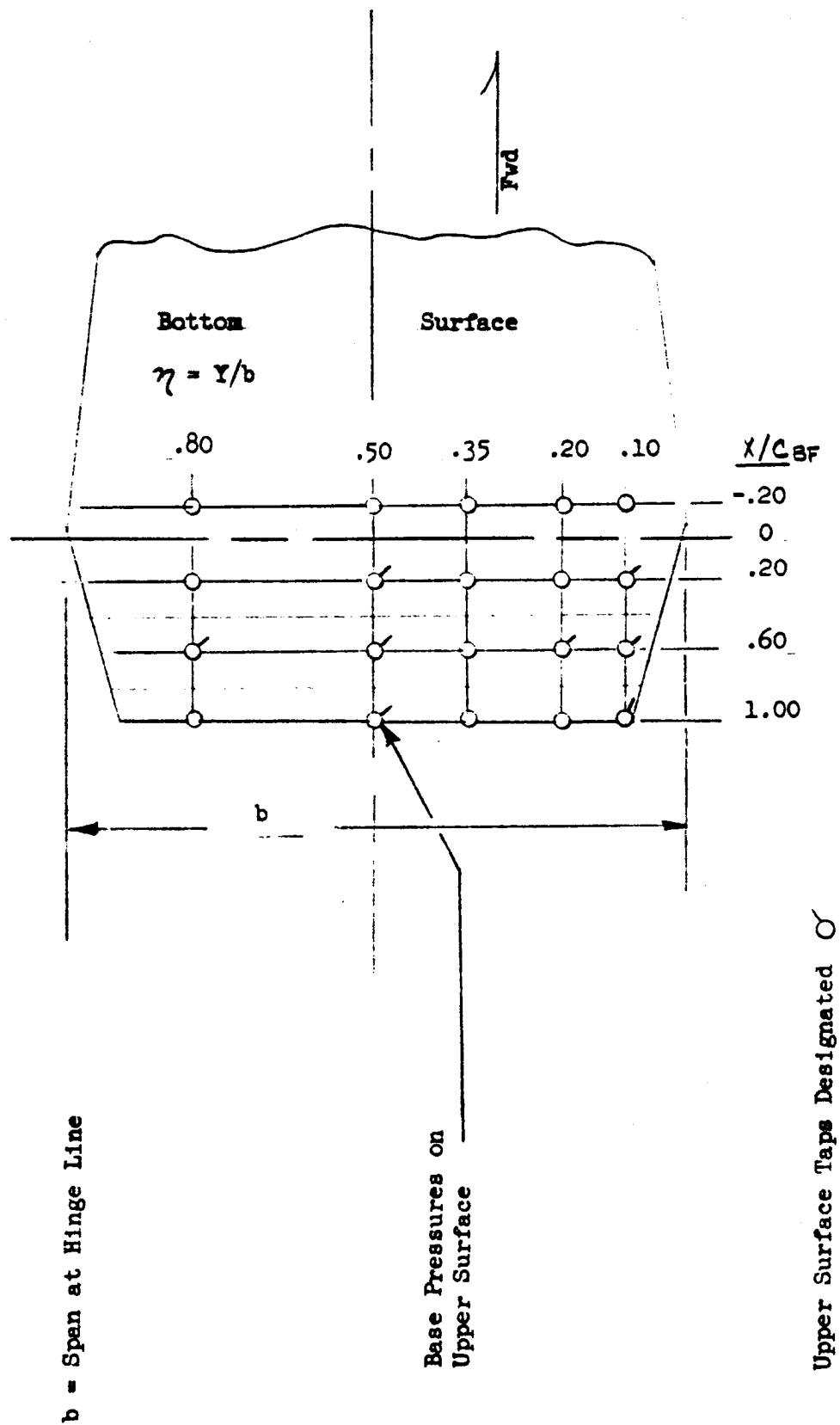
a. Orbiter Configuration
Figure 2. Model sketches.



b. Protuberances and Penetrations
 Figure 2. Continued.

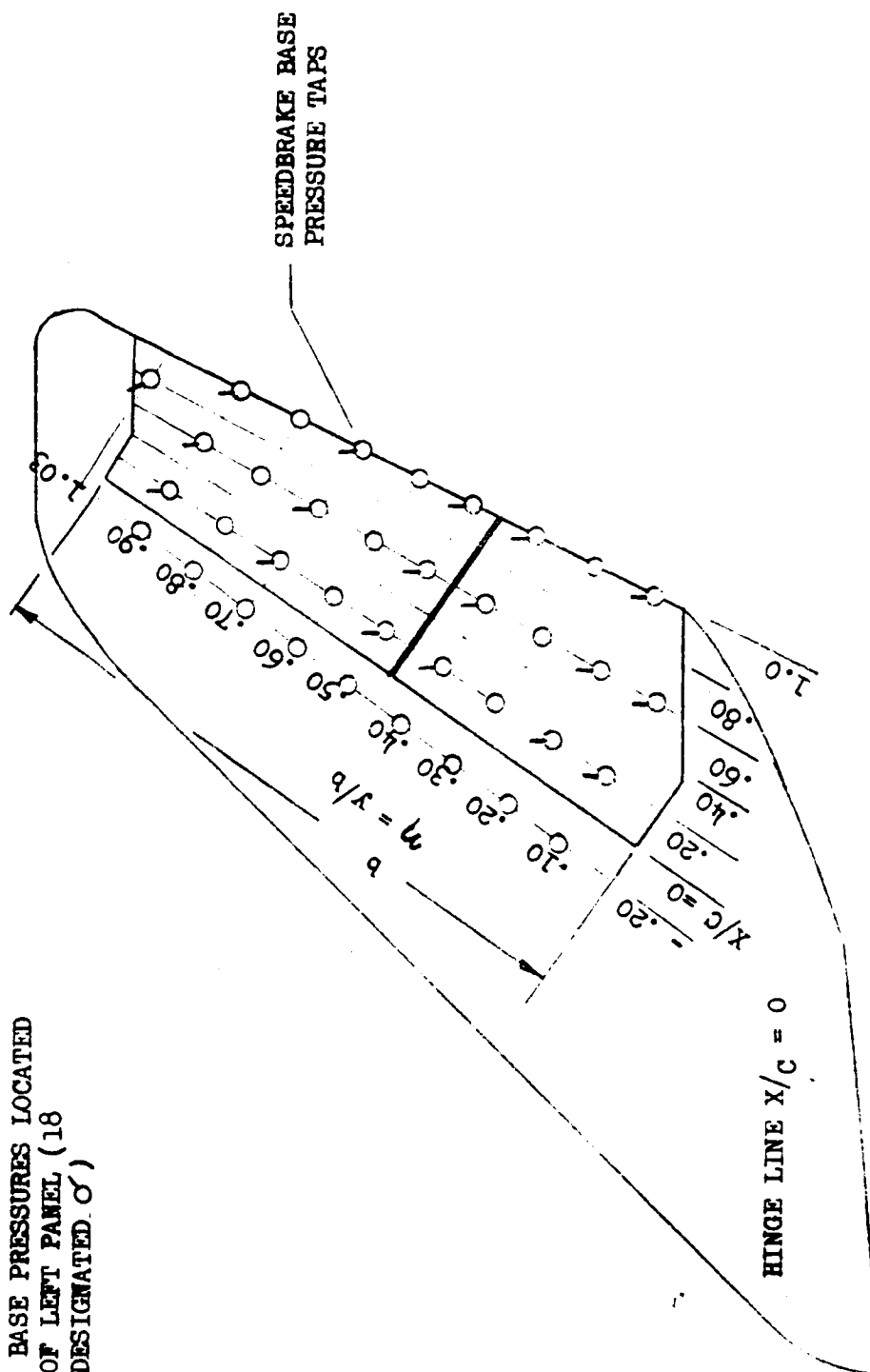


d. Flipper Door and Elevon Cavity Pressure Tap Locations
Figure 2. Continued.

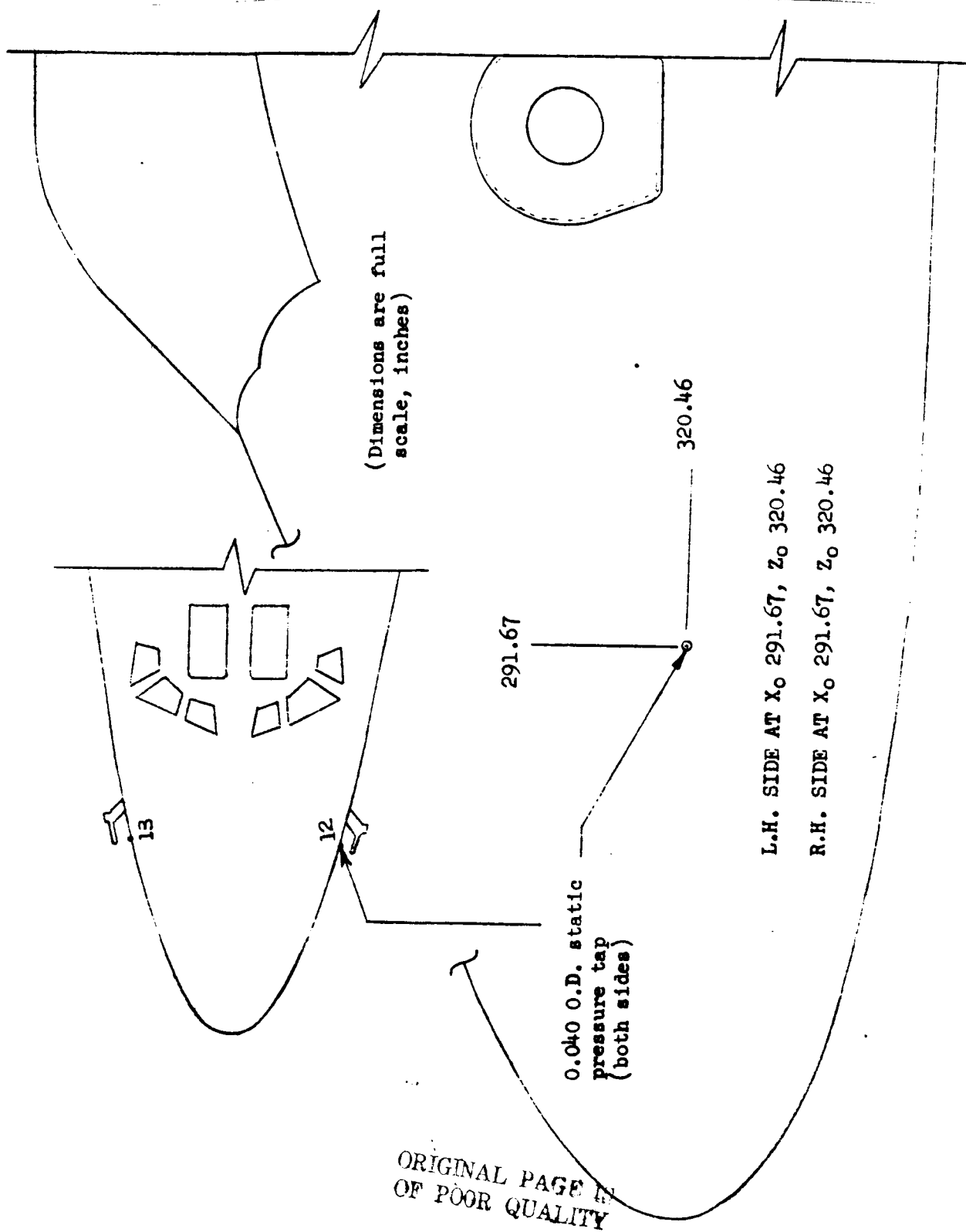


e. Body Flap Pressure Tap Locations
Figure 2. Continued.

- ALL MEASUREMENTS LEFT SIDE ONLY.
- TAPS AT T.E. LOCATED AS CLOSE TO T.E. AS POSSIBLE.
- SPEEDBRAKE BASE PRESSURES LOCATED ON INSIDE OF LEFT PANEL (18 LOCATIONS DESIGNATED σ')



f. Rudder/Speed Brake Surface Pressure Tap Locations
Figure 2. Continued.



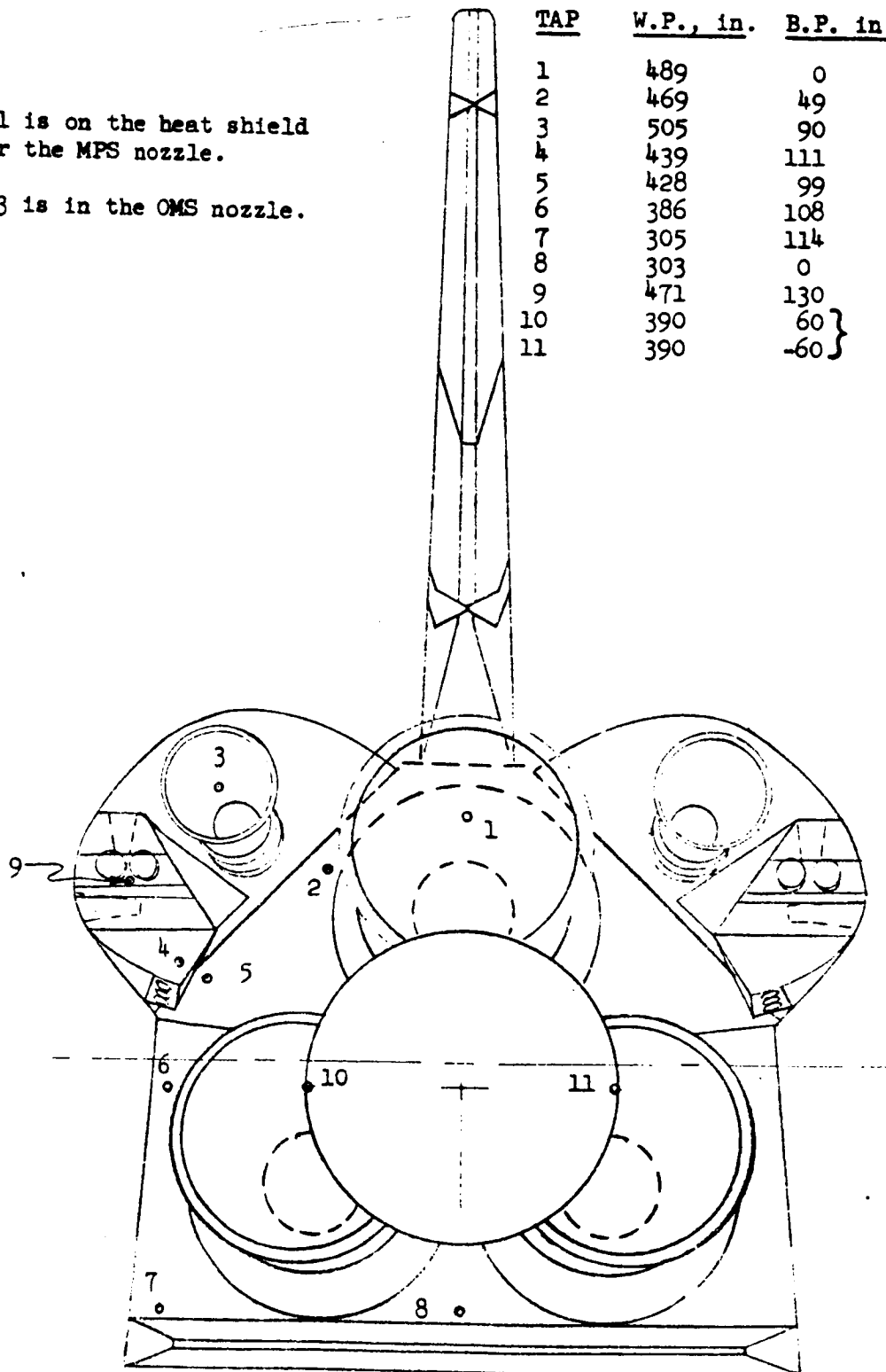
g. Air Data Probe Pressure Tap Locations
Figure 2. Continued.

Tap 1 is on the heat shield
under the MPS nozzle.

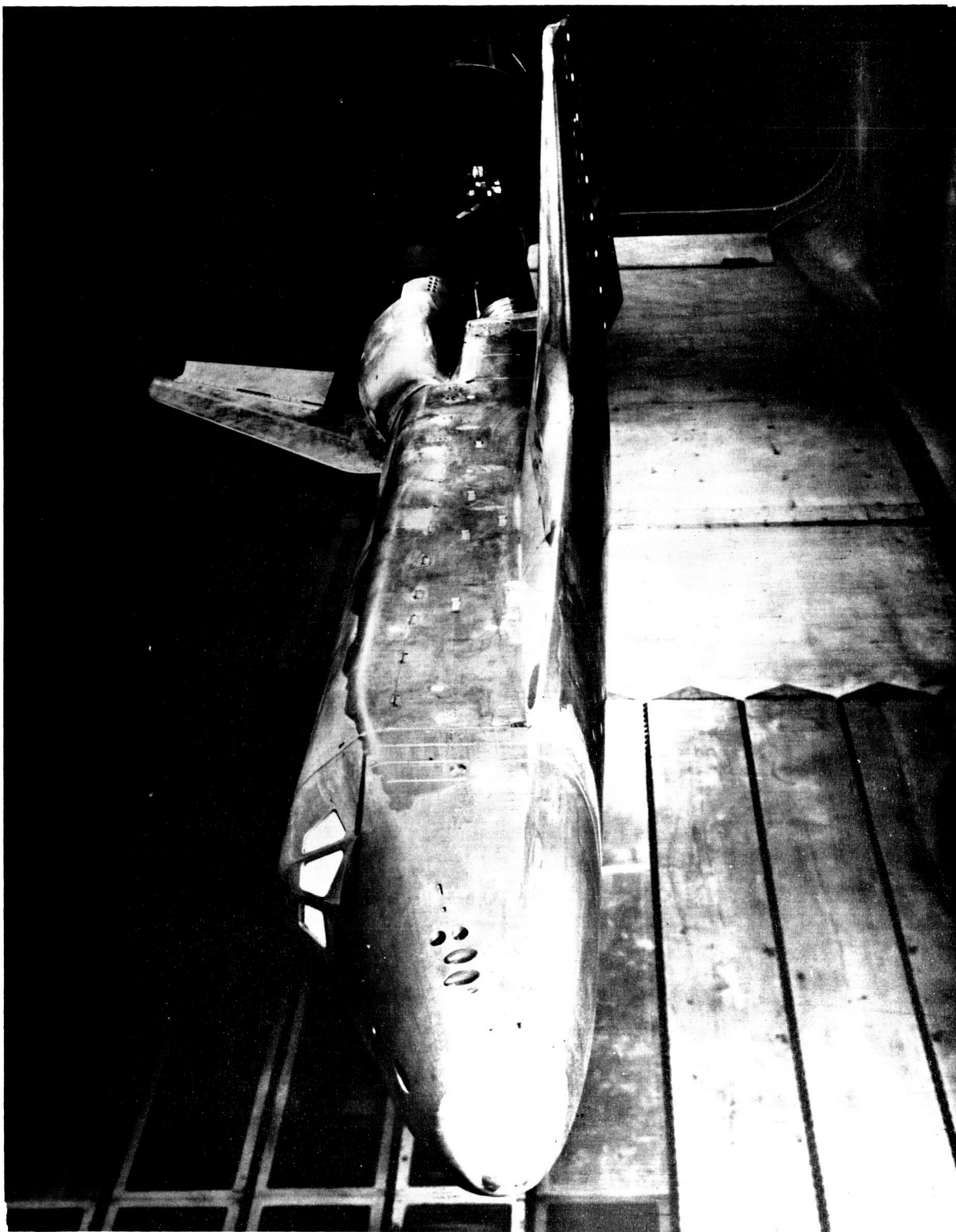
Tap 3 is in the OMS nozzle.

<u>TAP</u>	<u>W.P., in.</u>	<u>B.P. in.</u>	<u>Area, ft²</u>
1	489	0	23.48
2	469	49	32.96
3	505	90	18.68
4	439	111	22.12
5	428	99	30.88
6	386	108	45.84
7	305	114	71.92
8	303	0	34.40
9	471	130	78.00
10	390	60	78.52
11	390	-60	

436.80



h. Base Pressure Tap Locations
Figure 2. Concluded.



a. Model Installed in 11 x 11 Foot Test Section (OAL45A)
Figure 3. Model installation photographs.



b. Model Installed in 9 x 7 Foot Test Section with Base Detail (OA145B)
Figure 3. Concluded.

APPENDIX

TABULATED SOURCE DATA

Tabulations of plotted data are available on request from Data Management Services.

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DATE 10 MAR 80

OAI145 TABULATED FORCE DATA

PAGE 1001

(C2F041) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

ALPHA =
 AIRLON =
 SPOBRK =
 RN/L =

ELEVON = 5.000
 BDFLAP = .000
 RUDDER = 5.000

PARAMETRIC DATA

RUN NO. 191/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AIRLON	BDFLAP	SPOBRK	RUDDER	ELV-OB	AIRL-OB	AIRL-OB
.598	-6.057	5.41600	4.90230	-.01310	-.07040	25.00000	.00000	4.88030	-.04970	.02350
.598	-1.944	5.38940	4.90230	-.01310	-.07040	25.00000	.00000	4.88030	-.04970	.02350
.597	-.890	5.25460	4.90480	-.01070	-.08040	25.00000	.00000	4.88030	-.04970	.02350
.598	-.082	5.14640	4.90230	-.01310	-.08040	25.00000	.00000	4.88030	-.04970	.02350
.598	.541	5.15450	4.90000	-.01080	-.07040	25.00000	.00000	4.87560	-.04510	.02350
.598	1.086	5.18570	4.90000	-.01080	-.07040	25.00000	.00000	4.87560	-.04510	.02350
.598	2.159	5.18190	4.90190	-.01850	-.08040	25.00000	.00000	4.87440	-.05560	.01850
.598	3.228	5.16430	4.90250	-.01330	-.08040	25.00000	.00000	4.87560	-.04510	.01850
.598	4.277	5.14220	4.90480	-.01070	-.08040	25.00000	.00000	4.88030	-.04970	.02350
.598	6.353	5.10310	4.90480	-.01070	-.07040	25.00000	.00000	4.88030	-.04970	.02350
.598	GRADIENT	-.02913	.00014	-.00015	-.00116	.00000	.00000	.00074	.00004	-.00034

RUN NO. 119/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AIRLON	BDFLAP	SPOBRK	RUDDER	ELV-OB	AIRL-OB	AIRL-OB
.799	-6.074	4.78670	4.86960	.02350	-.06030	25.00000	.11930	4.86480	-.05560	.10250
.798	-1.958	5.15260	4.86720	.02590	-.06030	25.00000	.06820	4.85990	-.05560	.10740
.798	-.918	5.09070	4.87230	.02080	-.07040	25.00000	.05970	4.87980	-.06090	.10250
.799	.155	4.81760	4.87480	.01830	-.06030	25.00000	.04260	4.86980	-.06090	.09750
.798	.647	5.07990	4.86960	.02350	-.06030	25.00000	.04260	4.86480	-.05560	.10250
.799	1.161	5.05320	4.86720	.02590	-.07040	25.00000	.03410	4.85990	-.05560	.10740
.799	2.246	5.02890	4.87520	.02370	-.07040	25.00000	.02560	4.86480	-.05510	.10250
.798	3.308	5.00740	4.87770	.02120	-.07040	25.00000	.00850	4.86980	-.05510	.09750
.798	4.352	4.98520	4.87520	.02370	-.06030	25.00000	.00000	4.86480	-.05510	.10250
.797	6.427	4.94280	4.87770	.02120	-.06030	25.00000	-.03350	4.86980	-.05510	.09750
.797	GRADIENT	-.01643	.00124	-.00003	-.00042	.00000	-.01103	.00067	.00061	-.00067

RUN NO. 177/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AIRLON	BDFLAP	SPOBRK	RUDDER	ELV-OB	AIRL-OB	AIRL-OB
.901	-6.104	5.42400	4.89740	-.00820	-.07040	25.00000	.00000	4.91450	-.04970	.03340
.902	-1.921	5.40880	4.89740	-.00820	-.08040	25.00000	-.01670	4.91450	-.04970	.03340
.900	-.862	5.35330	4.89740	-.00820	-.08040	25.00000	-.02510	4.91450	-.04970	.03340
.898	.038	5.32010	4.89490	-.00570	-.08040	25.00000	-.03350	4.90960	-.04970	.03830
.901	.450	5.48690	4.89250	-.00810	-.08040	25.00000	-.04180	4.90470	-.04970	.03350
.900	.960	5.55180	4.89490	-.00570	-.07040	25.00000	-.05020	4.90960	-.04970	.03830
.900	2.063	5.60550	4.89250	-.00810	-.08040	25.00000	-.05860	4.90470	-.04970	.03350
.899	3.136	5.60550	4.89250	-.00810	-.08040	25.00000	-.07530	4.90470	-.04970	.03350
.899	4.187	5.57890	4.89250	-.00810	-.08040	25.00000	-.10040	4.90470	-.04970	.03350
.899	6.259	5.56180	4.89740	-.00820	-.08040	25.00000	-.13390	4.91450	-.04970	.03340
.899	GRADIENT	.04496	-.00089	-.00007	-.00002	.00000	-.01334	-.00179	-.00000	-.00015

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = 5.000
 AILRON = .000 BOFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

(C2F041) (16 JUL 77)

RUN NO. 130/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-1B	AIL-1B	AIL-0B
.951	-6.090	4.84450	4.88760	.00640	-.08040	25.00000	.01700	4.87560	-.04510	.08800
.950	-1.912	5.14970	4.88720	.00110	-.08040	25.00000	.00850	4.90450	-.05100	.05310
.952	-.845	5.12910	4.88700	.00120	-.08040	25.00000	.00850	4.87440	-.05580	.05600
.951	.073	5.03890	4.87980	.00850	-.08040	25.00000	.00000	4.86980	-.05100	.06790
.952	.484	5.22360	4.87990	.00830	-.08040	25.00000	.00000	4.89460	-.04630	.06300
.951	1.080	5.25260	4.88450	.00370	-.07040	25.00000	.00000	4.87440	-.05560	.06300
.951	2.125	5.24070	4.87980	.00850	-.08040	25.00000	.00000	4.86980	-.05100	.06790
.951	3.188	5.20540	4.87730	.01100	-.08040	25.00000	.00000	4.88470	-.05100	.07290
.951	4.220	5.19740	4.87710	.01110	-.07040	25.00000	.00000	4.87440	-.05560	.07780
.951	6.302	5.16900	4.86940	.01300	-.07040	25.00000	.00840	4.86400	-.05680	.08280
.950	GRADIENT	.01619	.00168	.00168	.00109	-.00000	-.00140	.00029	-.00029	.00365

RUN NO. 435/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-1B	AIL-1B	AIL-0B
1.103	-6.233	5.25500	4.92700	.03780	.00000	25.00000	-.08940	4.95350	-.03000	.10550
1.100	-2.097	5.23020	4.92940	.04020	.00000	25.00000	-.08940	4.90540	-.03000	.11040
1.101	-1.045	5.23560	4.92940	.04020	.00000	25.00000	-.08940	4.90540	-.03000	.11040
1.101	.016	5.16820	4.92940	.04020	.00000	25.00000	-.09620	4.95350	-.03000	.11040
1.101	.534	5.19490	4.92940	.04020	.00000	25.00000	-.10290	4.90540	-.03000	.11040
1.101	1.071	5.19370	4.92940	.04020	.00000	25.00000	-.10960	4.90540	-.03000	.11040
1.101	2.122	5.19460	4.92940	.04020	.00000	25.00000	-.11640	4.90540	-.03000	.11040
1.101	3.162	5.19910	4.92940	.04020	.00000	25.00000	-.12310	4.91020	-.03000	.11520
1.101	4.206	5.20510	4.93190	.04260	.00000	25.00000	-.14110	4.91020	-.03580	.11520
1.101	6.305	5.20020	4.92900	.03970	.00000	25.00000	-.00601	.00049	.00000	.00049
1.100	GRADIENT	.00400	.00026	.00025	.00000	.00000	.00000	.00000	.00000	.00049

RUN NO. 168/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-1B	AIL-1B	AIL-0B
1.199	-6.102	5.65330	4.89730	-.00330	-.05030	25.00000	-.04180	4.88030	-.04970	.04320
1.200	-1.924	5.52520	4.90000	-.00600	-.06030	25.00000	-.07530	4.88560	-.05510	.04320
1.199	-.875	5.42050	4.90000	-.00110	-.06030	25.00000	-.07530	4.91440	-.05510	.05300
1.200	.029	5.26520	4.90000	-.00600	-.06030	25.00000	-.10040	4.88560	-.05510	.04810
1.200	.461	5.50400	4.89750	-.00350	-.06030	25.00000	-.10040	4.90950	-.05510	.04810
1.200	.988	5.54400	4.89750	-.00350	-.06030	25.00000	-.10040	4.88560	-.05510	.04810
1.199	2.077	5.59600	4.89730	.00160	-.06030	25.00000	-.10040	4.91430	-.04970	.05300
1.199	3.143	5.56060	4.90290	.00180	-.06030	25.00000	-.10870	4.91430	-.04970	.05300
1.199	4.189	5.53930	4.89730	.00160	-.06030	25.00000	-.11710	4.88030	-.04970	.05300
1.199	6.271	5.53370	4.90240	-.00350	-.06030	25.00000	-.10870	4.88560	-.05510	.04800
1.195	GRADIENT	.01903	-.00013	.00131	.00000	.00000	-.00549	.00008	.00121	.00141

OAI145 TABULATED FORCE DATA

DATE 10 MAR 80

(C2F042) (16 JUL 77)

AMES 118-1-11 OAI145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = -5.000
 AILRON = .000 BDFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 190/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.598	-6.039	5.29740	-5.31720	.33910	-.06030	25.00000	.00000	-5.51770	-5.11680	.54290	.13520
.598	-1.323	5.27760	-5.31720	.33910	-.07040	25.00000	.00000	-5.51770	-5.11680	.54290	.13520
.597	-.880	5.24500	-5.31980	.34160	-.07040	25.00000	.00000	-5.52280	-5.11680	.54800	.13520
.597	.085	5.17450	-5.31720	.33910	-.06030	25.00000	.00000	-5.51770	-5.11680	.54290	.13520
.598	.540	5.18080	-5.31980	.34160	-.07040	25.00000	.00000	-5.52280	-5.11680	.54800	.13520
.597	1.069	5.22200	-5.31740	.34400	-.07040	25.00000	.00000	-5.52280	-5.11200	.54800	.14000
.598	2.144	5.23320	-5.31740	.34400	-.07040	25.00000	.00000	-5.52280	-5.11200	.54800	.14000
.597	3.209	5.22060	-5.31740	.34400	-.07040	25.00000	.00000	-5.52280	-5.11200	.54800	.14000
.597	4.273	5.20520	-5.10260	.12920	-.07040	25.00000	.00000	-5.09320	-5.11200	.11840	.14000
.597	6.357	5.16400	-5.05900	.08640	-.07040	25.00000	.00000	-5.00120	-5.11680	.03750	.13520
	GRADIENT	-.00625	.02314	-.02212	-.00033	-.00000	.00000	.04527	.00103	-.04527	-.00103

RUN NO. 118/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.799	-6.062	4.85890	-5.05690	.09460	-.06030	25.00000	.11930	-4.96330	-5.15050	.01070	.17850
.798	-1.968	4.87980	-5.05450	.09150	-.05030	25.00000	.05110	-4.96880	-5.14020	.00510	.17780
.799	-.851	5.08630	-5.05420	.09190	-.05030	25.00000	.04260	-4.95790	-5.15050	.00530	.17850
.798	.129	5.04580	-5.05690	.08910	-.05030	25.00000	.02560	-4.96880	-5.14070	.00510	.17300
.799	.573	5.10680	-5.05970	.09180	-.05030	25.00000	.02560	-4.96880	-5.15050	.00510	.17850
.799	1.126	5.14690	-5.05970	.09180	-.05030	25.00000	.01700	-4.96880	-5.15050	.00510	.17850
.797	2.212	5.14320	-5.05420	.08640	-.05030	25.00000	.00000	-4.96340	-5.14500	-.00030	.17300
.799	3.290	5.12490	-5.04600	.08380	-.06030	25.00000	.00000	-4.94710	-5.14500	-.00550	.17300
.799	4.350	5.10400	-5.05160	.08370	-.07040	25.00000	.00000	-4.95260	-5.15050	-.01110	.17850
.798	6.437	5.05900	-5.04880	.08100	-.06030	25.00000	-.03350	-4.95260	-5.14500	-.01110	.17300
	GRADIENT	.02801	.00105	-.00149	-.00280	.00000	-.00839	.00272	-.00061	-.00264	-.00034

RUN NO. 176/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.900	-6.107	5.38340	-5.04660	.05000	-.07040	25.00000	.00000	-4.96340	-5.12970	-.00030	.10030
.900	-1.911	5.36560	-5.05200	.05550	-.08040	25.00000	-.01670	-4.96880	-5.13520	.00510	.10580
.901	-.850	5.30130	-5.05210	.05550	-.07040	25.00000	-.03350	-4.96340	-5.14070	-.00030	.11130
.899	.038	5.14620	-5.04930	.05830	-.08040	25.00000	.04180	-4.95790	-5.14070	.00530	.11130
.900	.443	5.44640	-5.04380	.05280	-.07040	25.00000	.05020	-4.95790	-5.12970	.00530	.10030
.901	.954	5.52590	-5.04900	.04760	-.08040	25.00000	.05020	-4.96340	-5.13450	-.00030	.09550
.898	2.041	5.58430	-5.04660	.05550	-.08040	25.00000	.06590	-4.95790	-5.13520	.00530	.10580
.900	3.119	5.59470	-5.05170	.05040	-.08040	25.00000	-.07530	-4.96340	-5.14000	-.00030	.10100
.901	4.179	5.57410	-5.05170	.05580	-.08040	25.00000	-.10870	-4.96330	-5.14000	.01070	.10100
.898	6.245	5.55000	-5.05200	.05550	-.08040	25.00000	-.14220	-4.96880	-5.13520	.00510	.10580
	GRADIENT	.05736	.00000	-.00037	-.00084	.00000	-.01364	.00046	-.00045	.00057	-.00130

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(C2F042) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

ALPHA =
 AIRLON =
 SPOBRK =
 RN/L =

ELEVON = 5.000
 BDFLAP = .000
 RUDDER = 25.000
 -5.000

RUN NO. 129/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AIRLON	BDFLAP	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIRL-IB	AIRL-OB
.951	-6.120	4.82000	-5.04860	.09180	-.08040	25.00000	.01700	-4.96310	-5.13400	.02160	.16200
.951	-1.895	5.15900	-5.04620	.09420	-.08040	25.00000	.00000	-4.96310	-5.12920	.02160	.16680
.951	-.826	5.12500	-5.04890	.09700	-.08040	25.00000	.00000	-4.96310	-5.13470	.02160	.17230
.951	.074	4.99770	-5.04930	.10210	-.08040	25.00000	.00000	-4.96310	-5.13540	.02160	.18260
.951	.473	5.17500	-5.05480	.10210	-.08040	25.00000	.00000	-4.96870	-5.14090	.02160	.18810
.951	1.037	5.26580	-5.05750	.10480	-.08040	25.00000	.00000	-4.97410	-5.14090	.02150	.18810
.951	2.118	5.27610	-5.05750	.11030	-.08040	25.00000	.00000	-4.96850	-5.14640	.02710	.19360
.952	3.190	5.25190	-5.05480	.10750	-.08040	25.00000	.00000	-4.96310	-5.14640	.02160	.19360
.952	4.230	5.22940	-5.05750	.11040	-.08040	25.00000	-.00840	-4.96310	-5.15190	.02160	.19910
.950	6.306	5.20460	-5.04650	.09940	-.08040	25.00000	-.01670	-4.96310	-5.12990	.02160	.17710
	GRADIENT	.02587	-.00182	.00272	-.00000	.00000	-.00091	-.00008	-.00355	.00031	.00513

RUN NO. 434/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AIRLON	BDFLAP	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIRL-IB	AIRL-OB
1.102	-6.203	5.37810	-4.86400	.03330	.00000	25.00000	-.10290	-4.87250	-4.85550	.01980	.04670
1.102	-2.082	5.37420	-4.86400	.03330	.00000	25.00000	-.09620	-4.87250	-4.85550	.01980	.04670
1.101	-1.040	5.34250	-4.86160	.03570	.00000	25.00000	-.09620	-4.87250	-4.85070	.01980	.05150
1.102	.101	5.33520	-4.86160	.03570	.00000	25.00000	-.10960	-4.87250	-4.85070	.01980	.05150
1.101	.694	5.22690	-4.86160	.03570	.00000	25.00000	-.10960	-4.87250	-4.85070	.01980	.05150
1.102	1.170	5.17220	-4.85920	.03810	.00000	25.00000	-.11640	-4.87250	-4.84590	.01980	.05630
1.101	2.213	5.13850	-4.85920	.03810	.00000	25.00000	-.12310	-4.87250	-4.84590	.01980	.05630
1.100	3.259	5.11320	-4.85920	.04030	.00000	25.00000	-.14110	-4.87250	-4.85030	.01980	.06070
1.101	4.303	5.09390	-4.86140	.03810	.00000	25.00000	-.15900	-4.87250	-4.84590	.01980	.05630
1.100	6.388	5.12060	-4.85920	.03810	.00000	25.00000	-.00654	-.00000	.00101	.00000	.00190
	GRADIENT	-.04991	.00051	.00095	.00000	.00000	-.00654	-.00000	.00101	.00000	.00190

RUN NO. 167/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AIRLON	BDFLAP	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIRL-IB	AIRL-OB
1.199	-6.118	5.35980	-5.03520	.07220	-.06030	25.00000	-.06690	-4.97420	-5.09620	.01050	.13380
1.202	-1.908	5.51260	-5.03800	.07490	-.05030	25.00000	-.09200	-4.97420	-5.10170	.01050	.13930
1.199	-.865	5.46070	-5.03280	.07460	-.06030	25.00000	-.09200	-4.97420	-5.09140	.01050	.13860
1.201	.035	5.32780	-5.03560	.07730	-.06030	25.00000	-.09200	-4.97420	-5.09690	.01050	.14410
1.200	.445	5.45310	-5.04070	.07760	-.06030	25.00000	-.10040	-4.97960	-5.10170	.01590	.13930
1.200	.967	5.51910	-5.03800	.07490	-.06030	25.00000	-.10040	-4.97420	-5.10170	.01050	.13930
1.198	2.061	5.55950	-5.03800	.08000	-.06030	25.00000	-.10870	-4.97960	-5.09690	.01590	.14410
1.199	3.144	5.55410	-5.03560	.07730	-.06030	25.00000	-.10870	-4.97420	-5.09690	.01050	.14410
1.199	4.192	5.53400	-5.03830	.08000	-.05030	25.00000	-.11710	-4.97960	-5.09590	.01590	.14410
1.198	6.275	5.51870	-5.03010	.07180	-.06030	25.00000	-.11710	-4.97420	-5.08590	.01050	.13310
	GRADIENT	.01765	-.00023	.00081	.00009	.00000	-.00440	-.00068	.00023	.00068	.00094

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

AMES 118-1-11 OAI45A 01

(C2F042) (16 JUL 77)

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

ALPHA =
 AILRON =
 SPOBRK =
 RUDDER =
 RN/L =

5.000 ELEVON = -5.000
 .000 BDFLAP = .000
 25.000 RUDDER = .000
 5.000

RUN NO. 139/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-1B	AIL-1B	ELV-0B	AIL-0B
1.293	-6.140	4.81400	-5.04240	.07050	-.07040	25.00000	.05970	-4.96870	.01610	-5.11610	.12490
1.297	-2.045	4.81780	-5.04550	.07840	-.08040	25.00000	.04260	-4.96870	.01610	-5.12230	.14070
1.295	-1.014	4.82970	-5.04550	.07840	-.08040	25.00000	.04260	-4.96870	.01610	-5.12230	.14070
1.295	.078	4.87550	-5.04550	.07840	-.09050	25.00000	.03410	-4.96870	.01610	-5.12230	.14070
1.294	.596	4.84380	-5.04550	.07290	-.08040	25.00000	.02560	-4.97420	.01050	-5.11680	.13520
1.294	1.136	4.78850	-5.04240	.07050	-.08040	25.00000	.01700	-4.96870	.01610	-5.11610	.12490
1.294	2.149	4.78290	-5.03930	.06260	-.08040	25.00000	.00850	-4.96870	.01610	-5.10990	.10910
1.294	3.189	4.77780	-5.03930	.06260	-.08040	25.00000	.00000	-4.96870	.01610	-5.10990	.10910
1.294	4.228	4.77180	-5.04240	.07050	-.09050	25.00000	.00000	-4.96870	.01610	-5.11610	.12490
1.294	6.315	4.75710	-5.04270	.07570	-.08040	25.00000	-.00840	-4.96870	.01610	-5.11680	.13520
1.292	GRADIENT	-.01184	.00098	-.00243	-.00073	.00000	-.00816	.00008	.00008	.00183	-.00494

RUN NO. 159/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-1B	AIL-1B	ELV-0B	AIL-0B
1.401	-6.157	5.60850	-5.03770	.06430	-.07040	25.00000	-.03350	-4.97440	-.00040	-5.10100	.12900
1.406	-2.000	5.38530	-5.03770	.06430	-.07040	25.00000	-.06690	-4.97440	-.00040	-5.10100	.12900
1.405	-.937	5.36380	-5.03770	.06430	-.08040	25.00000	-.09200	-4.97440	-.00040	-5.10100	.12900
1.405	.092	5.27250	-5.03770	.06430	-.08040	25.00000	-.10040	-4.97440	-.00040	-5.10100	.12900
1.404	.560	5.46090	-5.03490	.06710	-.07040	25.00000	-.10040	-4.96880	-.00510	-5.10100	.12900
1.405	1.110	5.49310	-5.03770	.06430	-.07040	25.00000	-.03350	-4.97440	-.00040	-5.10100	.12900
1.403	2.197	5.49060	-5.03770	.06430	-.08040	25.00000	-.03350	-4.97440	-.00040	-5.10100	.12900
1.402	3.282	5.47140	-5.03770	.06430	-.07040	25.00000	-.03350	-4.97440	-.00040	-5.10100	.12900
1.404	4.348	5.44950	-5.04040	.06710	-.07040	25.00000	.01700	-4.97440	-.00040	-5.10650	.13450
1.400	6.469	5.41200	-5.04320	.06980	-.07040	25.00000	.01700	-4.97440	-.00040	-5.11200	.14000
1.400	GRADIENT	.02011	-.00033	.00024	.00060	.00000	.01366	-.00009	-.00009	-.00057	.00057

QAI45 TABULATED FORCE DATA

AMES 118-1-11 QAI45A 01

DATE 10 MAR 80

(C2F043) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = -10.000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 189/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00									
MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-1B	AIL-1B
.598	-6.025	5.21640	-10.20800	.07280	-.06030	25.00000	.00000	-10.02900	AIL-OB
.597	-1.915	5.19170	-10.20500	.07550	-.06030	25.00000	.00000	-10.02300	AIL-1B
.598	-.872	5.15600	-10.20800	.07830	-.07040	25.00000	.00000	-10.02900	ELV-OB
.597	.085	5.07530	-10.20500	.07590	-.07040	25.00000	.00000	-10.02300	ELV-1B
.598	.533	5.09150	-10.21600	.07590	-.06030	25.00000	.00000	-10.02900	AIL-OB
.598	1.063	5.13770	-10.21100	.07560	-.07040	25.00000	.00000	-10.03400	AIL-1B
.598	2.139	5.15190	-10.20800	.07280	-.07040	25.00000	.00000	-10.02900	ELV-OB
.598	3.205	5.13880	-10.21100	.07560	-.07040	25.00000	.00000	-10.02900	ELV-1B
.597	4.272	5.12070	-10.21100	.07560	-.07040	25.00000	.00000	-10.02900	AIL-OB
.597	6.356	5.07690	-10.21100	.08120	-.07040	25.00000	.00000	-10.02900	AIL-1B
	GRADIENT	-.00494	-.00079	-.00027	-.00119	.00000	.00000	-.00079	-.00145

RUN NO. 117/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00									
MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-1B	AIL-1B
.799	-6.050	4.77840	-10.21600	.08710	-.06030	25.00000	.11930	-10.00600	AIL-OB
.799	-1.935	4.81970	-10.21000	.08150	-.06030	25.00000	.05970	-10.00600	AIL-1B
.799	-.888	4.78030	-10.21600	.08710	-.06030	25.00000	.05110	-10.00600	ELV-OB
.799	.106	4.52700	-10.21400	.08560	-.07040	25.00000	.01700	-9.98580	ELV-1B
.800	.595	5.05440	-10.21300	.08430	-.06030	25.00000	.00850	-10.00600	AIL-OB
.799	1.118	5.12860	-10.21300	.07900	-.06030	25.00000	.00850	-10.00600	AIL-1B
.798	2.208	5.12820	-10.21100	.07690	-.06030	25.00000	.00000	-10.00100	ELV-OB
.798	3.287	5.10880	-10.21000	.07660	-.07040	25.00000	.00000	-10.00100	ELV-1B
.799	4.349	5.08550	-10.21300	.07940	-.06030	25.00000	-.02510	-10.00100	AIL-OB
.798	6.439	5.03780	-10.21600	.08780	-.07040	25.00000	-.04180	-9.99570	AIL-1B
	GRADIENT	.06743	.00021	-.00127	-.00039	-.00000	-.01246	.00057	-.00093

RUN NO. 175/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00									
MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-1B	AIL-1B
.900	-6.126	5.39320	-10.21000	.07060	-.08040	25.00000	.00850	-10.02900	AIL-OB
.900	-1.870	5.53850	-10.21000	.07590	-.08040	25.00000	-.02510	-10.02300	AIL-1B
.902	-.832	5.45310	-10.21600	.08150	-.08040	25.00000	-.04180	-10.02300	ELV-OB
.900	.039	5.32900	-10.22100	.08710	-.08040	25.00000	-.05020	-10.02900	ELV-1B
.899	.420	5.38900	-10.21900	.08990	-.08040	25.00000	-.05860	-10.03400	AIL-OB
.899	.944	5.51390	-10.22400	.08990	-.08040	25.00000	-.06690	-10.03400	AIL-1B
.900	2.029	5.58280	-10.22700	.08750	-.08040	25.00000	-.09200	-10.02300	ELV-OB
.900	3.108	5.59770	-10.22100	.08190	-.09050	25.00000	-.10870	-10.02300	ELV-1B
.899	4.167	5.58120	-10.21800	.07910	-.09050	25.00000	-.13380	-10.02900	AIL-OB
.898	6.235	5.55300	-10.21900	.08430	-.08040	25.00000	-.01330	-.00017	AIL-1B
	GRADIENT	.02648	-.00135	.00017	-.00188	.00000	-.01330	-.00017	-.00033

0A145 TABULATED FORCE DATA

(C2F043) (16 JUL 77)

DATE 10 MAR 80

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = -10.000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 128/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.953	-6.085	4.58200	-10.21600	.07590	-.08040	25.00000	.01700	-10.02300	-10.40900	-.01170	.16360
.952	-1.951	4.69390	-10.21900	.07880	-.08040	25.00000	.00850	-10.02300	-10.41400	-.01170	.16920
.951	-.798	5.05240	-10.23300	.09280	-.08040	25.00000	.00850	-10.02300	-10.44200	-.01170	.19730
.951	.072	4.87220	-10.23600	.09560	-.08040	25.00000	.00850	-10.02900	-10.44200	-.00610	.19730
.952	.463	5.12310	-10.23800	.09280	-.08040	25.00000	.00000	-10.02800	-10.44800	-.01730	.20290
.951	1.027	5.18520	-10.24100	.10120	-.08040	25.00000	.00000	-10.03400	-10.44800	-.00050	.20290
.951	2.110	5.20170	-10.23800	.09840	-.08040	25.00000	.00000	-10.02300	-10.45400	-.01170	.20850
.950	3.179	5.17760	-10.23600	.09560	-.08040	25.00000	.00000	-10.02900	-10.44200	-.00610	.19730
.951	4.220	5.16260	-10.23600	.10080	-.08040	25.00000	.00000	-10.02900	-10.44300	-.00610	.20780
.949	6.296	5.13360	-10.23600	.10080	-.08040	25.00000	-.01670	-10.02300	-10.44900	-.01170	.21340
	GRADIENT	.06737	-.00195	.00260	-.00000	.00000	-.00167	-.00078	-.00327	-.00093	.00429

RUN NO. 433/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
1.102	-6.176	5.30100	-9.98430	.01930	.00000	25.00000	-.09620	-9.90560	-10.06300	.01510	.02350
1.102	-2.052	5.28960	-9.98180	.02180	.00000	25.00000	-.09620	-9.90560	-10.05800	.01510	.02840
1.101	-1.004	5.25260	-9.98180	.02180	.00000	25.00000	-.10290	-9.90560	-10.05800	.01510	.02840
1.102	.095	5.29180	-9.97940	.02420	.00000	25.00000	-.10960	-9.90560	-10.05300	.01510	.03330
1.101	.665	5.25090	-9.97940	.02420	.00000	25.00000	-.10290	-9.90560	-10.05300	.01510	.03330
1.101	1.165	5.19070	-9.97970	.02390	.00000	25.00000	-.12310	-9.91120	-10.04800	.00960	.03820
1.101	2.221	5.15580	-9.98180	.02180	.00000	25.00000	-.11640	-9.90560	-10.05800	.01510	.02840
1.099	3.267	5.13290	-9.97940	.02420	.00000	25.00000	-.12310	-9.90560	-10.05300	.01510	.03330
1.100	4.312	5.11100	-9.96990	.03370	.00000	25.00000	-.13210	-9.91120	-10.02900	.00960	.05780
1.100	6.394	5.07270	-9.95980	.04380	.00000	25.00000	-.15900	-9.90560	-10.01400	.01510	.07250
1.098		.03103	.00127	.00127	-.00064	.00000	-.00533	-.00058	.00309	-.00057	.00313

RUN NO. 166/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
1.202	-6.156	5.38940	-10.20200	.06720	-.06030	25.00000	.00000	-10.02900	-10.37600	-.00610	.14050
1.203	-1.901	5.48670	-10.20200	.07270	-.06030	25.00000	-.06590	-10.02300	-10.38100	-.00600	.14610
1.200	-.854	5.42720	-10.20500	.07000	-.06030	25.00000	-.08370	-10.02900	-10.38100	-.00610	.14610
1.201	.036	5.28260	-10.20500	.07000	-.06030	25.00000	-.09200	-10.02900	-10.38100	-.00610	.14050
1.200	.444	5.45120	-10.20800	.06720	-.07040	25.00000	-.10040	-10.04000	-10.37600	-.00610	.14050
1.199	.958	5.52490	-10.20200	.06720	-.07040	25.00000	-.10040	-10.02900	-10.37600	-.00610	.14050
1.197	2.062	5.58170	-10.20500	.07000	-.06030	25.00000	-.09200	-10.02900	-10.38100	-.00610	.14610
1.199	3.142	5.58070	-10.20800	.07280	-.06030	25.00000	-.11710	-10.03400	-10.38100	-.00050	.14610
1.199	4.193	5.55790	-10.20500	.07000	-.06030	25.00000	-.10870	-10.02900	-10.38100	-.00610	.14610
1.199	6.277	5.54260	-10.20500	.07000	-.06030	25.00000	-.10870	-10.02900	-10.38100	-.00610	.14610
1.195		.02947	-.00047	-.00031	.00022	.00000	-.00655	-.00076	-.00011	-.00014	.00012

OAI145 TABULATED FORCE DATA

DATE 10 MAR 80

AMES 118-1-11 OAI145A 01

(C2F043) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

ALPHA = 5.000 ELEVON = -10.000
 AILRON = .000 BDFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 138/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
1.298	-6.094	4.91330	-10.19900	.05630	-.09040	25.00000	.02560	-.03960	-.04540	-.01840	-.02540
1.299	-1.948	4.82190	-10.19600	.05630	-.08040	25.00000	.02560	-10.01700	-10.37500	-.01730	-.13000
1.297	-.887	4.80950	-10.19600	.05630	-.08040	25.00000	.02560	-10.01700	-10.37500	-.01730	-.13000
1.294	.166	4.79460	-10.19900	.05910	-.08040	25.00000	.02560	-10.02300	-10.38100	-.01730	-.14050
1.295	.628	4.96710	-10.19900	.05910	-.09050	25.00000	.02560	-10.01700	-10.38100	-.01730	-.13560
1.294	1.183	5.01320	-10.19900	.05910	-.09050	25.00000	.02560	-10.01700	-10.38100	-.01730	-.13560
1.293	2.277	4.98860	-10.19900	.05910	-.08040	25.00000	.00000	-10.01700	-10.38100	-.01730	-.13560
1.294	3.348	4.96160	-10.19900	.05910	-.08040	25.00000	.00000	-10.01700	-10.38100	-.01730	-.13560
1.294	4.397	4.93970	-10.19900	.05910	-.09050	25.00000	.00000	-10.01700	-10.38100	-.01730	-.13560
1.294	6.488	4.90000	-10.19900	.05910	-.09050	25.00000	.00000	-10.01700	-10.38100	-.01730	-.13560
1.294	GRADIENT	.02729	-.00049	.00029	-.00020	.00000	-.00503	.00019	-.00113	-.00017	.00076

RUN NO. 158/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
1.406	-6.157	5.37280	-10.19900	.06440	-.08040	25.00000	-.12550	-10.02300	-10.37600	-.01170	-.14050
1.407	-1.973	5.34420	-10.19700	.06710	-.07040	25.00000	-.17570	-10.01700	-10.37600	-.00620	-.14050
1.406	-.914	5.31210	-10.19900	.06990	-.07040	25.00000	-.17570	-10.01700	-10.38100	-.00620	-.14610
1.405	-.019	5.21910	-10.19900	.06990	-.07040	25.00000	.21310	-10.01700	-10.38100	-.00620	-.14610
1.403	.559	5.47710	-10.19900	.06990	-.07040	25.00000	-.01670	-10.01700	-10.38100	-.00620	-.14610
1.403	1.100	5.50540	-10.20200	.06720	-.07040	25.00000	-.02510	-10.02300	-10.38100	-.01170	-.14610
1.404	2.190	5.50510	-10.19900	.06990	-.08040	25.00000	-.03350	-10.01700	-10.38100	-.00620	-.14610
1.403	3.275	5.48530	-10.20200	.07270	-.08040	25.00000	-.05020	-10.02300	-10.38100	-.00620	-.14050
1.402	4.345	5.46110	-10.19700	.06710	-.07040	25.00000	-.06690	-10.01700	-10.37600	-.00620	-.14050
1.399	6.469	5.41850	-10.19900	.06440	-.08040	25.00000	-.12550	-10.02300	-10.37600	-.01170	-.14050
1.399	GRADIENT	.03210	-.00020	.00017	-.00089	.00000	.00927	-.00043	.00004	.00039	-.00004

DATE 10 MAR 80

OAI145 TABULATED FORCE DATA

AMES 11B-1-11 OAI145A 01

PAGE 1010

(C2F044) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = -5.000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 782/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.597	-6.029	9.95770	-4.93890	.00290	.00970	25.00000	-.04220	-4.94200	.01650	-.01070
.595	-1.970	9.98390	-4.94430	.01380	.01940	25.00000	-.13210	-4.94200	.03830	-.01070
.596	-.955	9.97870	-4.93350	.00300	.00970	25.00000	-.11640	-4.94200	.01670	-.01070
.596	.069	9.97990	-4.93620	.00570	.00970	25.00000	-.10960	-4.94200	.02210	-.01070
.596	.560	9.98110	-4.93620	.00570	.00970	25.00000	-.11640	-4.94200	.02210	-.01070
.597	1.059	9.98860	-4.93620	.00570	.00970	25.00000	-.12310	-4.94200	.02210	-.01070
.595	2.087	9.98330	-4.93620	.00570	.00970	25.00000	-.12310	-4.94200	.02210	-.01070
.596	3.108	9.99490	-4.93620	.00570	.00970	25.00000	-.12310	-4.94200	.02210	-.01070
.593	4.148	10.01800	-4.93620	.00570	.00970	25.00000	-.14110	-4.94200	.02210	-.01070
.596	6.211	10.02600	-4.93620	.00570	.00970	25.00000	-.00006	-4.94200	-.00129	-.00000
	GRADIENT	.00492	.00064	-.00064	-.00099	.00000	-.00006	-.00000	-.00129	-.00000

RUN NO. 781/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.798	-6.085	9.98530	-4.93350	.00300	.00970	25.00000	-.06920	-4.94200	.01670	-.01070
.799	-2.008	9.98040	-4.93350	.00300	.00970	25.00000	-.12310	-4.94200	.01670	-.01070
.799	-.981	9.97490	-4.93350	.00300	.00970	25.00000	-.11640	-4.94200	.01670	-.01070
.798	.057	9.95560	-4.93350	.00300	.00970	25.00000	-.12310	-4.94200	.01670	-.00990
.798	.558	9.96160	-4.93870	.00340	.00970	25.00000	-.11640	-4.94200	.01130	-.01070
.799	1.062	9.94670	-4.93080	.00030	.00970	25.00000	-.12310	-4.94200	.01670	-.00990
.798	2.110	10.00700	-4.93870	.00340	.00970	25.00000	-.13210	-4.94200	.01130	-.01070
.797	3.142	10.02600	-4.93080	.00030	.01940	25.00000	-.11640	-4.94200	.00990	-.00510
.798	4.193	10.04600	-4.93090	.00040	.01940	25.00000	-.12310	-4.94770	-.00590	-.01550
.798	6.273	10.05000	-4.92400	-.01680	.01940	25.00000	-.12310	-4.94680	-.01810	-.00061
	GRADIENT	.01251	.00036	-.00046	.00171	-.00000	-.00047	-.00082	-.00153	-.00061

RUN NO. 774/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.898	-6.112	9.96490	-4.93070	-.00530	.01940	25.00000	-.06920	-4.93640	.00570	-.01640
.901	-2.023	10.00400	-4.93350	-.00250	.01940	25.00000	-.09620	-4.94200	.00570	-.01070
.900	-.988	10.00100	-4.93350	-.00250	.01940	25.00000	-.10290	-4.94200	.00570	-.01070
.899	.056	10.01200	-4.93350	-.00250	.01940	25.00000	-.11640	-4.94200	.00570	-.00590
.900	.557	9.90990	-4.93110	-.00010	.01940	25.00000	-.12310	-4.94200	.00570	-.01070
.900	1.069	9.89180	-4.93350	-.00010	.01940	25.00000	-.10960	-4.94200	.00570	-.00590
.898	2.113	9.89490	-4.93110	-.00010	.01940	25.00000	-.10960	-4.93720	.00570	-.00590
.898	3.158	9.89540	-4.93110	-.00010	.01940	25.00000	-.10960	-4.93720	.00570	-.00590
.898	4.219	10.02900	-4.92870	-.00230	.01940	25.00000	-.12310	-4.93720	.00570	-.00590
.898	6.299	10.02900	-4.93110	-.00010	.01940	25.00000	-.13210	-4.93720	.00570	-.00590
	GRADIENT	-.00070	.00072	-.00072	.00000	.00000	-.00290	.00145	.00000	.00145

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = -5.000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 773/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-08	AIL-08
.950	-6.125	9.85290	-4.94180	-.00530	.01940	25.00000	-.03550	-4.94200	-.01070
.951	-2.033	10.01600	-4.94740	-.00530	.01940	25.00000	-.15000	-4.94770	-.00510
.951	-.996	10.01300	-4.94460	-.00250	.01940	25.00000	-.10290	-4.94770	-.00510
.951	.051	9.96460	-4.94740	-.00530	.01940	25.00000	-.10290	-4.94770	-.00510
.950	.556	9.96740	-4.94740	-.00530	.01940	25.00000	-.09620	-4.94770	-.00510
.951	1.067	9.95130	-4.94740	-.00530	.01940	25.00000	-.10960	-4.94770	-.00510
.950	2.120	9.95940	-4.94190	-.00520	.01940	25.00000	-.08940	-4.94770	-.00510
.949	3.166	9.97820	-4.94230	-.00560	.01940	25.00000	-.10960	-4.94290	-.00030
.949	4.229	9.99050	-4.93670	-.00000	.01940	25.00000	-.12310	-4.94290	-.00030
.949	6.316	9.99150	-4.93630	-.00530	.01940	25.00000	-.14110	-4.94200	-.01070
	GRADIENT	-.00489	.00149	.00035	.00000	-.00000	.00248	.00084	.00084

RUN NO. 769/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-08	AIL-08
1.201	-6.130	9.92020	-4.94150	.00060	.01940	25.00000	-.10290	-4.93040	-.00990
1.203	-2.038	9.97430	-4.94430	.00350	.02910	25.00000	-.11640	-4.95810	-.00420
1.199	-1.003	9.98250	-4.94150	.00060	.01940	25.00000	-.11640	-4.95250	-.00990
1.198	.046	10.01800	-4.94390	-.00180	.02910	25.00000	-.12310	-4.95730	-.01470
1.201	.552	10.02000	-4.94390	-.00180	.02910	25.00000	-.12310	-4.95730	-.01470
1.200	1.071	9.96740	-4.94150	.00060	.02910	25.00000	-.12310	-4.95250	-.00990
1.196	2.128	10.01000	-4.94150	.00060	.02910	25.00000	-.12310	-4.95250	-.00990
1.199	3.172	10.01500	-4.94150	.00060	.02910	25.00000	-.12310	-4.95250	-.00990
1.198	4.233	10.02800	-4.93620	.00020	.02910	25.00000	-.13210	-4.94200	-.01070
1.195	6.323	10.02300	-4.93910	.00300	.02910	25.00000	-.13210	-4.94770	-.00510
	GRADIENT	.00678	.00094	-.00022	-.00006	-.00000	-.00111	.00187	.00043

RUN NO. 762/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-08	AIL-08
1.294	-6.140	10.20200	-4.94140	.01600	.01940	25.00000	-.10290	-4.94170	-.02120
1.300	-2.046	10.24500	-4.94190	-.00520	.01940	25.00000	-.10960	-4.94770	-.00510
1.300	-1.003	10.25400	-4.94710	.01940	.01940	25.00000	-.11640	-4.95250	-.00990
1.298	.052	10.14800	-4.94430	-.00760	.01940	25.00000	-.11640	-4.95250	-.00990
1.298	.561	10.15600	-4.94710	-.01040	.01940	25.00000	-.11640	-4.95250	-.00990
1.298	1.074	10.14000	-4.94710	-.01040	.01940	25.00000	-.11640	-4.95250	-.00990
1.296	2.132	10.15200	-4.94710	-.01040	.01940	25.00000	-.11640	-4.95250	-.00990
1.296	3.192	10.11800	-4.94430	.00760	.01940	25.00000	-.11640	-4.95250	-.00990
1.295	4.244	10.12500	-4.94430	.00760	.01940	25.00000	-.11640	-4.95250	-.00990
1.293	6.334	10.12100	-4.94230	-.00560	.01940	25.00000	-.12310	-4.94290	-.00030
	GRADIENT	-.02103	-.00012	-.00012	.00000	.00000	-.00067	.00024	.00048

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

(C2F044) (16 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

RUN NO. 761/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-18	AIL-18	AIL-OB
1.404	-6.152	9.99060	-4.94740	-0.0530	.01940	25.00000	-1.0290	-4.94710	-0.0550	-0.0510
1.409	-2.045	10.04000	-4.94470	-0.0800	.01940	25.00000	-1.0960	-4.94170	-0.0190	-0.0510
1.409	-1.005	10.03900	-4.94190	-0.0520	.01940	25.00000	-1.1640	-4.93610	-0.0540	-0.0510
1.409	.049	10.07000	-4.94470	-0.0800	.01940	25.00000	-1.1640	-4.94170	-0.0190	-0.0510
1.409	.556	10.07100	-4.94470	-0.0800	.01940	25.00000	-1.1640	-4.94170	-0.0190	-0.0510
1.407	1.072	10.05700	-4.94470	-0.0800	.01940	25.00000	-1.1640	-4.94170	-0.0190	-0.0510
1.406	2.139	10.09700	-4.94190	-0.1080	.01940	25.00000	-1.1640	-4.94170	-0.0190	-0.0510
1.404	3.183	10.10800	-4.94190	-0.1080	.01940	25.00000	-1.1640	-4.94170	-0.0190	-0.0510
1.404	4.256	10.07700	-4.94470	-0.0800	.01940	25.00000	-1.1640	-4.94170	-0.0190	-0.0510
1.404	6.356	10.07400	-4.94190	-0.1080	.01940	25.00000	-1.2310	-4.94170	-0.0190	-0.0510
1.402	GRADIENT	.00929	.00011	-0.00048	.00000	.00000	-0.0067	-0.00037	-0.00036	-0.00059

PARAMETRIC DATA

ALPHA = 10.000
AILRON = .000
SPOBRK = 25.000
RN/L = 5.000
ELEVON = -5.000
BOFLAP = .000
RUDDER = .000

AMES 118-1-11 OAI45A 01

(C2F045) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

RUN NO. 783/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-18	AIL-18	AIL-OB
.597	-6.057	10.02600	5.00330	-0.1430	.00970	25.00000	-0.4220	4.99860	-0.01700	-0.01160
.597	-1.995	10.01900	5.00590	-0.1700	.01940	25.00000	-1.1410	5.00390	-0.02240	-0.01160
.596	.974	10.01500	5.00330	-0.1430	.00970	25.00000	-1.0960	4.99860	-0.01700	-0.01160
.596	.037	10.02200	5.00330	-0.1430	.00970	25.00000	-1.2310	4.99860	-0.01700	-0.01160
.596	.555	10.02400	5.00330	-0.1430	.00970	25.00000	-1.2310	4.99860	-0.01700	-0.01160
.595	1.059	10.01000	5.00330	-0.1430	.00970	25.00000	-1.2310	4.99860	-0.01700	-0.01160
.595	2.094	10.02700	5.00330	-0.1430	.00970	25.00000	-1.2310	4.99860	-0.01700	-0.01160
.597	3.121	10.03700	5.00330	-0.1430	.00970	25.00000	-0.6920	4.99860	-0.01700	-0.01160
.595	4.164	10.05400	5.00330	-0.1430	.00970	25.00000	-1.0290	4.99860	-0.01700	-0.01160
.597	6.229	10.06000	5.00330	-0.1430	.00970	25.00000	-0.0665	4.99860	-0.01700	-0.01160
.597	GRADIENT	.00537	-0.00026	.00027	-0.00098	.00000	.00655	-0.00054	.00055	-0.00000

PARAMETRIC DATA

ALPHA = 10.000
AILRON = .000
SPOBRK = 25.000
RN/L = 5.000
ELEVON = 5.000
BOFLAP = .000
RUDDER = .000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO

LREF = 474.8100 INCHES YMRP = .0000 IN. YO

BREF = 936.8800 INCHES ZMRP = 375.0000 IN. ZO

SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = 5.000

AIRLON = .000 BOFLAP = .000

SPOBRK = 25.000 RUDDER = .000

RN/L = 5.000

RUN NO. 780/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AIRLON	BOFLAP	SPOBRK	RUDDER	ELV-1B	ELV-0B	AIRL-1B	AIRL-0B
.798	-6.102	9.96050	4.99780	-.01360	.01940	25.00000	-.03550	5.00390	4.99160	-.02240	-.00490
.797	-2.024	9.99680	4.99780	-.01360	.00970	25.00000	-.10290	5.00390	4.99160	-.02240	-.00490
.799	-.992	9.95410	4.99780	-.01360	.01940	25.00000	-.12310	5.00390	4.99160	-.02240	-.00490
.797	.050	9.96150	4.99510	-.01100	.01940	25.00000	-.12310	4.99860	4.99160	-.01700	-.00490
.800	.553	9.96830	4.99800	-.00810	.01940	25.00000	-.12310	5.00440	4.99160	-.01120	-.00490
.797	1.067	9.96540	4.99510	-.01100	.01940	25.00000	-.13210	4.99860	4.99160	-.01700	-.00490
.799	2.111	9.99280	4.99800	-.00810	.01940	25.00000	-.08940	5.00440	4.99160	-.01120	-.00490
.798	3.155	10.01500	5.00040	-.00560	.01940	25.00000	-.10960	5.00440	4.99640	-.01120	-.00010
.798	4.209	10.04800	5.00310	-.00830	.01940	25.00000	-.12310	5.00970	4.99640	-.01660	-.00010
.798	6.289	10.04700	5.00040	-.00560	.00970	25.00000	-.12310	5.00440	4.99640	-.01120	-.00010
.798	GRADIENT	.01084	.00083	.00116	.00097	-.00000	.00013	.00081	.00084	.00147	.00084

RUN NO. 775/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AIRLON	BOFLAP	SPOBRK	RUDDER	ELV-1B	ELV-0B	AIRL-1B	AIRL-0B
.901	-6.132	9.97570	5.00550	-.01170	.01940	25.00000	-.16800	5.00390	5.00700	-.02240	-.00100
.902	-2.031	9.99420	5.00310	-.01410	.01940	25.00000	-.15900	5.00390	5.00220	-.02240	-.00580
.900	-.995	9.99170	5.00020	-.01120	.01940	25.00000	-.09620	5.00390	4.99640	-.02240	-.00010
.899	.050	10.00700	5.00020	-.01120	.01940	25.00000	-.11640	5.00390	4.99640	-.02240	-.00010
.900	.557	9.97020	5.00310	-.01410	.01940	25.00000	-.12310	5.00390	5.00220	-.02240	-.00580
.901	1.071	9.95230	5.00020	-.01120	.01940	25.00000	-.12310	5.00390	4.99640	-.02240	-.00010
.898	2.120	9.95870	5.00310	-.01410	.01940	25.00000	-.12310	5.00390	5.00220	-.02240	-.00580
.898	3.168	9.98570	5.00260	-.00880	.01940	25.00000	-.12310	5.00390	5.00130	-.02240	-.00480
.899	4.230	10.00200	5.00010	-.01700	.01940	25.00000	-.15000	4.99810	5.00220	-.02820	-.00580
.897	6.312	9.99460	5.00260	-.01460	.01940	25.00000	-.17690	4.99810	5.00700	-.02820	-.00100
.897	GRADIENT	-.00100	-.00007	-.00021	.00000	.00000	-.00122	-.00061	.00049	-.00061	.00020

RUN NO. 772/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AIRLON	BOFLAP	SPOBRK	RUDDER	ELV-1B	ELV-0B	AIRL-1B	AIRL-0B
.950	-6.133	9.96660	4.99990	-.01680	.01940	25.00000	-.11640	5.00340	4.99640	-.03360	-.00010
.951	-2.044	10.01600	4.99750	-.01920	.01940	25.00000	-.13210	5.00340	4.99160	-.03360	-.00490
.952	-1.005	10.01800	4.99750	-.01920	.01940	25.00000	-.13210	5.00340	4.99160	-.03360	-.00490
.949	.046	10.02300	4.99990	-.01680	.01940	25.00000	-.12310	5.00340	4.99640	-.03360	-.00010
.950	.554	10.00600	4.99750	-.01920	.01940	25.00000	-.11640	5.00340	4.99160	-.03360	-.00490
.951	1.070	9.98590	4.99750	-.01920	.01940	25.00000	-.12310	5.00340	4.99160	-.03360	-.00490
.950	2.123	9.99430	4.99750	-.01920	.01940	25.00000	-.12310	5.00340	4.99640	-.03360	-.00010
.949	3.174	10.01300	4.99990	-.01680	.01940	25.00000	-.12310	5.00340	4.99640	-.03360	-.00010
.951	4.237	10.03200	5.00260	-.01950	.01940	25.00000	-.10960	5.00880	5.00220	-.03690	-.00580
.949	6.323	10.02100	5.00280	-.01970	.01940	25.00000	-.11640	5.00340	5.00220	-.03360	-.00580
.949	GRADIENT	.00043	.00062	.00006	.00000	.00000	.00279	.00056	.00068	-.00055	.00068

DATE 10 MAR 80

OA145 TABULATED FORCE DATA
AMES 118-1-11 OA145A 01

PAGE 1014
(CF045) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ. FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

ALPHA =
AILRON =
SPOBRK =
RN/L =
ELEVON = 5.000
BDFLAP = .000
RUDDER = .000

PARAMETRIC DATA

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-IB	AIL-IB	ELV-OB	AIL-OB
1.198	-6.137	9.92170	4.98710	-.02430	.01940	25.00000	-.09620	4.99230	-.03400	4.98190	-.01460
1.200	-2.045	10.00500	4.99970	-.01750	.01940	25.00000	-.10960	4.99230	-.03400	5.00700	-.00100
1.199	-1.008	10.02600	4.99970	-.01750	.02910	25.00000	-.11640	4.99230	-.03400	5.00700	-.00100
1.201	.042	10.04600	4.99970	-.01750	.01940	25.00000	-.11640	4.99230	-.03400	5.00700	-.00100
1.199	.549	10.05300	4.99720	-.01990	.02910	25.00000	-.12310	4.99230	-.03400	5.00220	-.00580
1.200	1.063	10.03600	4.99970	-.01750	.02910	25.00000	-.11640	4.99230	-.03400	5.00700	-.00100
1.200	2.122	10.04900	4.99970	-.01750	.02910	25.00000	-.12310	4.99230	-.03400	5.00700	-.00100
1.197	3.173	10.06200	4.99970	-.01750	.02910	25.00000	-.12310	4.99230	-.03400	5.00700	-.00100
1.197	4.239	10.05900	4.99970	-.01750	.02910	25.00000	-.12310	4.99230	-.03400	5.00700	-.00100
1.197	6.339	10.02000	4.99970	-.01750	.02910	25.00000	-.12310	4.99230	-.03400	5.00700	-.00100
1.195	GRADIENT	.00783	.00004	.00004	.00127	.00000	-.00185	.00000	.00000	.00007	.00007

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-IB	AIL-IB	ELV-OB	AIL-OB
1.293	-6.163	9.99040	5.00550	-.01170	.01940	25.00000	-.10290	5.00390	-.02240	5.00700	-.00100
1.299	-2.015	10.01500	5.00550	-.01170	.01940	25.00000	-.10960	5.00390	-.02240	5.00700	-.00100
1.298	-.939	10.02600	5.00550	-.01170	.01940	25.00000	-.10960	5.00390	-.02240	5.00700	-.00100
1.298	.152	10.02300	5.00260	-.00880	.01940	25.00000	-.11640	5.00390	-.02240	5.00130	-.00480
1.298	.684	9.97990	4.99990	-.00610	.01940	25.00000	-.11640	4.99860	-.01700	5.00130	-.00480
1.297	1.229	9.94910	5.00260	-.00880	.01940	25.00000	-.11640	5.00390	-.02240	5.00700	-.00100
1.299	2.297	9.89860	5.00280	-.00900	.01940	25.00000	-.11640	4.99860	-.01700	5.00700	-.00100
1.297	3.358	9.85980	5.00280	-.00900	.01940	25.00000	-.11640	4.99860	-.02290	5.00700	-.00100
1.296	4.408	9.87490	4.99990	-.01190	.01940	25.00000	-.12310	4.99270	-.02290	5.00700	-.00100
1.296	6.456	9.81690	4.99990	-.01190	.01940	25.00000	-.12310	4.99270	-.02290	5.00700	-.00100
1.292	GRADIENT	-.02944	-.00068	.00010	.00000	.00000	-.00110	-.00160	.00043	.00024	-.00025

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-IB	AIL-IB	ELV-OB	AIL-OB
1.398	-6.152	10.00800	4.99460	-.01150	.01940	25.00000	-.10290	4.99270	-.02290	4.99640	-.00010
1.405	-2.052	10.07000	4.99220	-.01390	.01940	25.00000	-.10960	4.99270	-.02290	4.99160	-.00490
1.405	-1.011	10.07500	4.99500	-.01680	.01940	25.00000	-.10960	4.99270	-.02290	4.99730	-.01070
1.405	.046	10.09100	4.99510	-.01100	.03880	25.00000	-.10960	4.99860	-.01700	4.99160	-.00490
1.406	.555	10.09300	4.99500	-.01680	.01940	25.00000	-.11640	4.99270	-.02290	4.99730	-.01070
1.406	1.073	10.07800	4.99500	-.01680	.01940	25.00000	-.10960	4.99270	-.02290	4.99730	-.01070
1.406	2.132	10.09800	4.99500	-.01680	.01940	25.00000	-.11640	4.99270	-.02290	4.99730	-.01070
1.404	3.189	10.11800	4.99210	-.01970	.01940	25.00000	-.10960	4.98690	-.02870	4.99730	-.01070
1.405	4.248	10.12900	4.99210	-.01970	.01940	25.00000	-.11640	4.98690	-.02870	4.99730	-.01070
1.405	6.354	10.11600	4.99210	-.01970	.01940	25.00000	-.12310	4.98690	-.02870	4.99730	-.01070
1.404	GRADIENT	.00915	-.00023	-.00097	-.00061	.00000	-.00085	-.00119	.00074	.00074	-.00075

OAIW5 TABULATED FORCE DATA

DATE 10 MAR 80

(C2F046) (16 JUL 77)

AMES 118-1-11 OAIW5A 01

REFERENCE DATA

SREF = 2590.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = 3.000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 264/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-08	AIL-08	AIL-0B
.598	-5.793	-.03450	.05650	2.93250	.01000	25.00000	.00000	.03180	2.92250	2.94260
.600	-.898	-.00150	.05650	2.93250	.01000	25.00000	.00000	.03180	2.92250	2.94260
.599	1.705	.01020	.05400	2.93500	.01000	25.00000	.00000	.02690	2.92250	2.94750
.598	4.213	.02210	.05400	2.93500	.01000	25.00000	.00000	.02690	2.92250	2.94750
.597	6.232	.06580	.05400	2.93500	.01000	25.00000	.00000	.02690	2.92250	2.94750
.598	7.275	.06060	.05620	2.93280	.01000	25.00000	.00000	.02690	2.91810	2.94750
.597	9.309	.07530	.05610	2.92780	.01000	25.00000	.00000	.02670	2.91810	2.94750
.597	11.363	.08840	.05130	2.93220	.01000	25.00000	.00000	.02690	2.91700	2.94750
.597	14.457	.11100	.05130	2.93220	.01000	25.00000	.00000	.02690	2.91700	2.94750
	GRADIENT	.00462	-.00049	.00049	.00000	.00000	.00000	-.00096	.00000	.00096

RUN NO. 250/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-08	AIL-08	AIL-0B
.802	-5.827	-.03000	.05170	2.93260	.01000	25.00000	.00840	.01660	2.92800	2.93720
.801	-.827	.00150	.05610	2.93330	.01000	25.00000	-.02310	.01690	2.91930	2.94730
.800	1.693	.01320	.05400	2.93550	.01000	25.00000	-.03350	.01690	2.92360	2.94730
.799	4.212	.02010	.05400	2.93550	.01000	25.00000	.00000	.01690	2.92360	2.94730
.800	6.262	.05050	.05140	2.93290	.01000	25.00000	.00000	.01170	2.92360	2.94210
.798	7.289	.06060	.05140	2.93290	.01000	25.00000	.01700	.01170	2.92360	2.94210
.799	9.315	.07210	.05380	2.93040	.01000	25.00000	.00000	.01660	2.92360	2.93720
.800	11.385	.08240	.05380	2.93040	.01000	25.00000	-.02510	.01660	2.92360	2.93720
.799	14.449	.09260	.05380	2.93040	.01000	25.00000	.00498	.00000	.00085	.00000
	GRADIENT	.00369	-.00042	.00044	.00000	.00000	.00498	.00000	.00085	.00000

RUN NO. 197/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-08	AIL-08	AIL-0B
.902	-4.826	-.03300	-.05500	2.97530	-.08040	25.00000	-.10040	-.13080	2.92770	3.02280
.901	374	.09770	-.05220	2.97800	-.08040	25.00000	-.10040	-.13080	2.93350	3.02280
.900	2.924	.01680	-.05510	2.98090	-.08040	25.00000	-.12550	-.13080	2.93900	3.02280
.899	5.484	.04540	-.05510	2.98090	-.09050	25.00000	-.12550	-.13080	2.93900	3.02280
.900	7.520	.05930	-.05510	2.98090	-.08040	25.00000	-.12550	-.13080	2.93900	3.02280
.901	8.526	.06470	-.05220	2.97800	-.08040	25.00000	-.10040	-.13080	2.93350	3.02280
.898	10.558	.07690	-.05510	2.98090	-.08040	25.00000	-.06590	-.13080	2.93900	3.02280
.899	12.646	.08000	-.05760	2.97830	-.08040	25.00000	-.06590	-.13590	2.93900	3.01770
.901	15.735	.10420	-.06040	2.97560	-.08040	25.00000	-.05860	-.13590	2.93350	3.01770
	GRADIENT	.00563	.00007	.00069	-.00000	.00000	-.00276	.00000	.00140	.00000

OAI45 TABULATED FORCE DATA
AMES 118-1-11 OAI45A 01

DATE 10 MAR 80

(C2F046) (16 JUL 77)

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

BETA = .000 ELEVON = .000
AILRON = 3.000 BDFLAP = .000
SPOBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 194/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.955	-4.735	.14810	-.06010	2.96980	-.07040	25.00000	-.01670	-.14130	2.91650	3.02300
.954	.477	.12170	-.05760	2.97240	-.07040	25.00000	-.01670	-.13610	2.91650	3.02820
.954	3.079	.12420	-.05760	2.97240	-.07040	25.00000	-.00840	-.13610	2.91650	3.02820
.953	5.609	.09250	-.05760	2.97240	-.07040	25.00000	-.02510	-.13610	2.91650	3.02820
.954	7.628	.09630	-.05760	2.97240	-.08040	25.00000	-.03350	-.14130	2.92220	3.02300
.956	8.699	.10010	-.06300	2.97260	-.07040	25.00000	-.07530	-.14130	2.92220	3.02300
.950	10.739	.10810	-.06300	2.97260	-.08040	25.00000	-.15060	-.14130	2.92220	3.02300
.950	12.781	.12310	-.06300	2.97260	-.08040	25.00000	-.10870	-.14130	2.91670	3.02300
.953	15.825	.16070	-.06570	2.96990	-.08040	25.00000	-.00091	.00071	-.00000	.00071
	GRADIENT	-.00335	.00034	.00036	.00000	.00000	.00000			

RUN NO. 431/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
1.100	-5.065	-.04270	.03730	2.96790	.01940	25.00000	-.10290	-.01760	2.93350	3.00240
1.101	-.081	-.00030	.03730	2.96790	.00970	25.00000	-.10960	-.01760	2.93350	3.00240
1.098	2.535	.00760	.02960	2.96020	.00970	25.00000	-.10960	-.03310	2.93350	2.98690
1.096	5.135	.03090	.02960	2.96020	.00000	25.00000	-.10290	-.03310	2.93350	2.98180
1.099	7.232	.02850	.02700	2.95760	.00000	25.00000	-.10290	-.03820	2.93350	2.98690
1.098	8.215	.02320	.02960	2.96020	.00000	25.00000	-.10290	-.03310	2.93350	2.98180
1.093	10.263	.01900	.02700	2.95760	.00000	25.00000	-.09620	-.03820	2.93350	2.98180
1.100	12.320	.01530	.02170	2.95230	.00970	25.00000	-.10290	-.04340	2.92800	2.97660
1.099	15.373	.01420	.02170	2.95230	.00000	25.00000	-.10290	-.04340	2.92800	2.97660
	GRADIENT	.00302	-.00294	-.00294	-.00000	-.00000	.00000	-.00593	-.00000	-.00593

RUN NO. 229/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
1.199	-5.802	-.04360	.06950	2.94120	.01000	25.00000	.05110	.03690	2.93470	2.94780
1.202	-.803	-.00570	.06680	2.93850	.01000	25.00000	.04260	.03690	2.92920	2.94780
1.198	1.758	.00540	.06430	2.94090	.01000	25.00000	.05110	.03200	2.92920	2.95270
1.199	4.330	.00980	.06420	2.93590	.01000	25.00000	.06820	.03180	2.92920	2.94260
1.196	6.327	.04630	.06170	2.93830	.01000	25.00000	.06820	.02690	2.92920	2.94750
1.198	7.347	.04950	.06170	2.93830	.01000	25.00000	.07670	.02690	2.92920	2.94750
1.200	9.451	.05630	.06170	2.93830	.01000	25.00000	.06820	.02690	2.92920	2.94750
1.198	11.487	.06560	.05900	2.93560	.01000	25.00000	.06820	.02690	2.92360	2.94750
1.193	14.655	.04880	.05900	2.93560	.02000	25.00000	.08520	.02690	2.92360	2.94750
	GRADIENT	.00302	-.00051	-.00051	-.00000	-.00000	.00499	-.00099	.00000	-.00102

0A145 TABULATED FORCE DATA

(C2F046) (16 JUL 77)

DATE 10 MAR 80

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = 3.000 BOFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 220/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.297	-5.057	-0.0170	.06680	2.93850	.01000	25.00000	-.02510	.09660	.03690	2.92920	2.94780
1.295	.167	-0.0230	.06430	2.94090	.01000	25.00000	-.01670	.09660	.03200	2.92820	2.95270
1.295	2.721	.00720	.06140	2.93310	.02000	25.00000	-.02510	.09100	.03180	2.92360	2.94260
1.294	5.260	.03410	.05900	2.93560	.02000	25.00000	-.01670	.09100	.02690	2.92360	2.94750
1.295	7.305	.04870	.05900	2.93560	.02000	25.00000	-.00840	.09100	.02690	2.92360	2.94750
1.297	8.339	.05240	.05900	2.93310	.02000	25.00000	-.01670	.09100	.03180	2.92360	2.94260
1.294	10.382	.06470	.05900	2.93310	.02000	25.00000	-.02510	.09100	.02690	2.92360	2.94750
1.292	12.454	.06220	.05900	2.93560	.02000	25.00000	-.02510	.09100	.02690	2.92360	2.94750
1.294	15.557	.07160	.05620	2.93280	.02000	25.00000	-.03350	.08550	.02690	2.91810	2.94750
	GRADIENT	.00372	-.00114	-.00305	.00392	.00000	-.00329	-.00219	-.00008	-.00219	-.00395

RUN NO. 211/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.401	-5.109	-0.03070	.05650	2.93800	.01000	25.00000	-.04180	.09100	.02200	2.92360	2.95240
1.402	.146	-0.00610	.05650	2.93800	.01000	25.00000	-.04180	.09100	.02200	2.92360	2.95240
1.400	2.691	.00460	.05650	2.93800	.01000	25.00000	-.04180	.09100	.02200	2.92360	2.95240
1.400	5.222	.03490	.05650	2.94020	.01000	25.00000	-.05020	.08670	.02200	2.92800	2.95240
1.400	7.277	.04750	.05440	2.93740	.01000	25.00000	-.04180	.08120	.02200	2.92250	2.95240
1.400	8.339	.05080	.05160	2.93740	.01000	25.00000	-.04180	.08120	.02200	2.92250	2.95240
1.398	10.390	.06380	.05160	2.93740	.01000	25.00000	-.04180	.08120	.02200	2.92250	2.95240
1.399	12.461	.07270	.05160	2.93740	.01000	25.00000	-.04180	.08120	.02200	2.92250	2.95240
1.397	15.528	.06040	.05160	2.93740	.02000	25.00000	.03410	.08120	.02200	2.92250	2.95240
	GRADIENT	.00420	.00000	.00000	.00000	.00000	.00000	.00000	-.00000	.00000	.00000

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

(C2F047) (22 JUL 77)

AMES 118-1-11 OAI45A 01

PARAMETRIC DATA

REFERENCE DATA

SREF = 2630.0000 SQ.FT. XMRP = 1075.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

BETA = .000
 AILRON = .000
 SPOBRK = .000
 RUDDER = .000
 ELEVON = .000
 BOFLAP = .000
 RNL = .000

RUN NO. 0/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-08	AIL-08
.599	-5.804	-0.1310	.04230	4.92050	.01000	25.00000	-.07530	.07610	4.89170
.601	-8.849	.00310	.04530	4.92340	.01000	25.00000	-.07530	.07170	4.89290
.599	1.678	.01420	.04300	4.92570	.01000	25.00000	-.07530	.07170	4.89750
.598	4.181	.02400	.04530	4.92340	.01000	25.00000	-.07530	.07170	4.89290
.597	6.206	.06070	.04530	4.92090	.01000	25.00000	-.08370	.06680	4.89290
.598	7.246	.08570	.04290	4.92110	.01000	25.00000	-.09200	.07610	4.89290
.597	9.316	.08170	.04750	4.92110	.01000	25.00000	-.09200	.07610	4.89290
.598	11.399	.09340	.04750	4.92110	.01000	25.00000	-.09200	.07610	4.89290
	GRADIENT	.00415	-.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 0/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-08	AIL-08
.801	-5.822	-0.2160	.03600	4.92780	.00000	25.00000	-.10870	.06660	4.90670
.800	-8.827	.00550	.03830	4.92550	.00000	25.00000	-.10870	.06680	4.90210
.800	1.696	.01850	.03540	4.92260	.00000	25.00000	-.10870	.06680	4.89630
.800	4.227	.02580	.03540	4.92260	.00000	25.00000	-.10870	.06680	4.89630
.797	6.266	.05560	.03600	4.92780	.00000	25.00000	-.10870	.06240	4.90210
.800	7.281	.06620	.03350	4.92540	.00000	25.00000	-.10870	.06200	4.90670
.799	9.340	.07850	.03290	4.92020	.00000	25.00000	-.10870	.06200	4.89630
.797	11.392	.08820	.03580	4.92310	.00000	25.00000	-.10870	.06200	4.90210
.799	14.460	.09820	.03060	4.92250	.01000	25.00000	-.10870	.06200	4.90210
	GRADIENT	.00402	-.00057	-.00057	.00000	-.00000	.01821	.00000	-.00115

RUN NO. 0/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-08	AIL-08
.901	-4.753	-0.1320	-.09890	4.99780	-.08040	25.00000	.00000	-.13690	4.89150
.902	.488	.00510	-.09920	5.00290	-.09050	25.00000	.00000	-.13200	4.89690
.901	3.012	.02000	-.09920	5.00290	-.09050	25.00000	.00000	-.13200	4.89690
.898	5.525	.04980	-.09920	5.00290	-.09050	25.00000	.00000	-.13200	4.89690
.901	7.564	.06330	-.10160	5.00050	-.08040	25.00000	.00000	-.13690	4.89690
.898	8.599	.06840	-.10160	5.00050	-.08040	25.00000	.00000	-.13690	4.89690
.901	10.646	.07940	-.09890	4.99780	-.08040	25.00000	.00000	-.13690	4.89150
.900	12.718	.08180	-.10450	4.99760	-.08040	25.00000	.00000	-.13690	4.89100
.900	15.793	.10820	-.10450	4.99760	-.07040	25.00000	.00000	-.13690	4.89100
	GRADIENT	.00416	-.00004	.00070	-.00140	-.00000	.00000	.00068	-.00075

QAI45 TABULATED FORCE DATA

DATE 10 MAR 80

(C2F047) (22 JUL 77)

AMES 118-1-11 QAI45A 01

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500
 BETA = .000
 AILRON = .000
 SPOBRK = .000
 RUDDER = .000
 ELEVON = .000
 BOFLAP = .000
 RN/L = .000

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.202	-5.874	-.03620	.03950	4.91760	.01000	25.00000	.06820	.00730	.07170	4.88130	4.95380
1.202	-.829	-.00360	.03720	4.91980	.01000	25.00000	.06820	.00730	.06720	4.88130	4.95830
1.198	1.730	.00620	.03260	4.91960	.01000	25.00000	.07670	.00730	.05790	4.88130	4.95790
1.199	4.288	.00970	.02460	4.92170	.01000	25.00000	.06820	-.00310	.05240	4.88010	4.96340
1.193	6.304	.04720	.02460	4.92170	.01000	25.00000	.08520	-.00310	.05240	4.87550	4.96890
1.198	7.325	.05040	.02420	4.92220	.01000	25.00000	.08520	-.00310	.05790	4.88010	4.97440
1.200	9.397	.05720	.02740	4.91900	.01000	25.00000	.06820	-.00310	.04140	4.87430	4.96890
1.200	11.452	.06510	.01910	4.92720	.01000	25.00000	.06820	-.00890	.04690	4.87430	4.96890
1.198	14.608	.05220	.01900	4.92160	.01000	25.00000	.00000	-.00203	-.00289	-.00023	.00100
	GRADIENT	.00260	-.00246	.00037	.00000	-.00000	.00000				

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.296	-5.885	-.02810	.03340	4.93050	.02000	25.00000	-.03350	.01430	.05240	4.89750	4.96340
1.297	-.827	-.00960	.02800	4.92510	.02000	25.00000	-.03350	.00850	.04750	4.89170	4.95850
1.296	1.701	.00750	.02530	4.92790	.02000	25.00000	-.03350	.00850	.04200	4.89170	4.96400
1.295	4.253	.00630	.02530	4.93020	.02000	25.00000	-.03350	.00390	.04200	4.89630	4.96400
1.298	6.279	.04570	.02300	4.93020	.02000	25.00000	-.04180	.00390	.04200	4.89630	4.96400
1.296	7.304	.04890	.02300	4.93020	.02000	25.00000	-.04180	.00390	.04200	4.89630	4.96400
1.295	9.359	.05710	.02300	4.93000	.02000	25.00000	-.04180	.00190	.03550	4.89050	4.96950
1.295	11.479	.06610	.01730	4.93000	.02000	25.00000	-.03350	-.00190	.04200	4.89050	4.96400
1.295	14.576	.04920	.02010	4.92730	.02000	25.00000	-.03350	-.00190	-.00108	-.00000	.00108
	GRADIENT	.00312	-.00053	.00055	-.00000	.00000	.00000				

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.404	-5.157	-.03890	.03300	4.92010	.01000	25.00000	.06820	.00850	.05750	4.89170	4.94860
1.404	-.003	-.00410	.02770	4.91480	.01000	25.00000	.05970	.00270	.05270	4.88590	4.94370
1.400	2.564	.01010	.02830	4.92000	.01000	25.00000	.05970	.00390	.05270	4.89630	4.94370
1.398	5.138	.04210	.02040	4.92210	.01000	25.00000	.06820	-.00190	.04270	4.89050	4.95370
1.401	7.268	.04730	.02310	4.91930	.01000	25.00000	.07670	-.00190	.04820	4.89050	4.94820
1.401	8.304	.04770	.02310	4.91930	.01000	25.00000	.07670	-.00650	.05270	4.89050	4.94370
1.398	10.351	.06030	.02310	4.91940	.01000	25.00000	.06820	-.00650	.04820	4.89510	4.94820
1.398	12.465	.07260	.02080	4.92160	.01000	25.00000	.00000	-.00047	.00000	.00405	.00000
1.399		.00553	.00023	.00202	.00000	.00000	.00000				

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

AMES 118-1-11 OAI45A 01(-TO+)

(C2F048) (16 JUL 77)

REFERENCE DATA				PARAMETRIC DATA			
SREF =	2690.0000	SO.FT.	XMRP =	1076.6800	IN. XO	ALPHA =	5.000
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	ELEVON =	.000
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	BOFLAP =	.000
SCALE =	.0500					RUDDER =	.000

RUN NO.		258/ 0		RN/L =		4.98		GRADIENT INTERVAL =		-5.00/ 5.00	
MACH		ALPHA		BETA		ELEVON		BOFLAP		SPOBRK	
.599	AILRON	4.14790	4.14790	.00390	.00390	.00140	.00140	.00000	.00000	.00000	.00000
.599		4.14829	4.14829	.00540	.00540	.03750	.03750	.01000	.01000	.00000	.00000
.599		4.14920	4.14920	.00810	.00810	.02050	.02050	.01000	.01000	.00000	.00000
.599		4.14980	4.14980	.01080	.01080	.02020	.02020	.01000	.01000	.00000	.00000
.599		4.15070	4.15070	.01330	.01330	.02370	.02370	.01000	.01000	.00000	.00000
.599		4.15040	4.15040	.01640	.01640	.01520	.01520	.01000	.01000	.00000	.00000
.599		4.15340	4.15340	.01800	.01800	.00490	.00490	.01000	.01000	.00000	.00000
.599		4.15520	4.15520	.01980	.01980	.01420	.01420	.01000	.01000	.00000	.00000
.599		4.15510	4.15510	.02150	.02150	.06170	.06170	.01000	.01000	.00000	.00000
.599		4.15640	4.15640	.02330	.02330	.00660	.00660	.01000	.01000	.00000	.00000
.599		4.15430	4.15430	.02510	.02510	.03230	.03230	.01000	.01000	.00000	.00000
.599		4.15580	4.15580	.00223	.00223	.00538	.00538	.00037	.00037	.00000	.00000
.599	GRADIENT										

RUN NO.		257/ 0		RN/L =		5.01		GRADIENT INTERVAL =		-5.00/ 5.00	
MACH		ALPHA		BETA		ELEVON		BOFLAP		SPOBRK	
.800	AILRON	4.14790	4.14790	.00340	.00340	.00920	.00920	.01000	.01000	.00000	.00000
.801		4.14920	4.14920	.00050	.00050	.02600	.02600	.01000	.01000	.00000	.00000
.801		4.14980	4.14980	.00290	.00290	.02540	.02540	.00000	.00000	.00000	.00000
.800		4.15070	4.15070	.00630	.00630	.02310	.02310	.01000	.01000	.00000	.00000
.800		4.15040	4.15040	.00990	.00990	.02370	.02370	.00000	.00000	.00000	.00000
.801		4.15340	4.15340	.01370	.01370	.02000	.02000	.01000	.01000	.00000	.00000
.801		4.15520	4.15520	.01500	.01500	.00740	.00740	.01000	.01000	.00000	.00000
.801		4.15510	4.15510	.01770	.01770	.01420	.01420	.01000	.01000	.00000	.00000
.801		4.15640	4.15640	.02010	.02010	.06130	.06130	.00000	.00000	.00000	.00000
.800		4.15430	4.15430	.02280	.02280	.00950	.00950	.01000	.01000	.00000	.00000
.800		4.15580	4.15580	.02530	.02530	.04020	.04020	.00000	.00000	.00000	.00000
.800	GRADIENT			.00293	.00293	.00571	.00571	.00037	.00037	.00000	.00000

OAI45 TABULATED FORCE DATA

AMES 118-1-11 OAI45A 01(-TO+)

DATE 10 MAR 80

(C2F048) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YC
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA =
 ELEVON =
 SPOBRK =
 RUDDER =
 RN/L =

5.000
 .000
 25.000
 5.000

BETA =
 BOFLAP =
 RUDDER =

.000
 .000
 .000

RUN NO. 204/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ALPHA	BETA	ELEVON	BOFLAP	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.903	-4.927	5.25570	.03990	-.04050	-.08040	25.00000	.00850	-.01590	-.06500	-4.93670	-4.91650
.901	-4.053	5.43050	.04280	-.06980	-.08040	25.00000	.00850	-.04880	-.11830	-3.98810	-4.11830
.902	-3.017	5.42720	.04520	-.05850	-.08040	25.00000	.00000	.02000	-.13700	-2.98000	-3.05330
.903	-2.008	5.42290	.04800	-.08160	-.07040	25.00000	.00000	-.04230	-.12090	-1.98170	-2.03460
.901	-1.036	5.41970	.05020	-.04990	-.08040	25.00000	.00000	-.05130	-.05130	-.99900	-1.07350
.903	-.027	5.42240	.05220	-.03660	-.07040	25.00000	.00000	-.02780	-.04540	-.01770	-.03540
.903	.983	5.42240	.05350	-.09450	-.07040	25.00000	.00000	-.07540	-.11370	.99320	.97280
.903	1.994	5.42570	.05480	-.08540	-.08040	25.00000	.00000	-.00940	-.12540	1.99550	1.99180
.902	3.981	5.42820	.05630	-.06070	-.08040	25.00000	.00000	.00940	-.13080	2.93910	3.02280
.903	3.994	5.43300	.05870	-.12230	-.08040	25.00000	.00000	-.08220	-.16240	3.94540	4.04260
.902	5.009	5.43930	.06120	-.10980	-.08040	25.00000	.00000	-.06630	-.15340	4.89690	5.12060
.902	GRADIENT	.00941	.00200	-.00506	.00006	.00000	-.00082	-.00782	-.00231	.99174	1.00826

RUN NO. 195/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ALPHA	BETA	ELEVON	BOFLAP	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.955	-4.945	5.25410	.03790	-.03910	-.08040	25.00000	-.06690	-.02790	-.05020	-4.95790	-4.93140
.955	-4.058	5.45560	.04080	-.05980	-.07040	25.00000	-.05690	.05860	-.17830	-3.98750	-4.12830
.955	-3.005	5.45570	.04320	-.07040	-.08040	25.00000	-.07530	.01500	-.15570	-2.96500	-3.04410
.956	-1.999	5.45800	.04530	-.08670	-.07040	25.00000	-.06690	-.05760	-.11590	-1.97650	-2.02050
.955	-1.034	5.45320	.04770	-.04690	-.08040	25.00000	-.06690	-.05350	-.04030	-.99410	-1.07400
.954	-.035	5.45440	.04860	-.03510	-.07040	25.00000	-.07530	-.03990	-.03030	-.03990	-.03030
.954	.966	5.45340	.04810	-.09670	-.08040	25.00000	-.07530	-.07580	-.11770	.97320	.95920
.952	1.996	5.44880	.04930	-.08750	-.08040	25.00000	-.08370	-.05500	-.12000	1.99450	1.99720
.953	2.975	5.45120	.05110	-.05530	-.08040	25.00000	-.07530	.00960	-.12030	2.92790	3.02260
.954	3.994	5.44860	.05400	-.12230	-.08040	25.00000	-.08370	-.08220	-.16240	3.94540	4.04260
.954	5.007	5.45050	.05630	-.10090	-.08040	25.00000	-.07530	-.06010	-.14170	4.91390	5.09930
.952	GRADIENT	.01002	.00156	-.00500	-.00055	.00000	-.00174	-.00749	-.00252	.99120	1.00880

0A145 TABULATED FORCE DATA

AMES 118-1-11 0A145A 01(-10+)

DATE 10 MAR 80

(C2F048) (16 JUL 77)

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 BOFLAP = .000
SPOBRK = 25.000 RUDDER = .000
RN/L = 5.000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

RUN NO. 439/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIRLON	ALPHA	BETA	ELEVON	BOFLAP	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIRL-IB	AIRL-OB
1.101	-4.858	5.14500	.03270	.02620	.02910	25.00000	-.10960	.05450	-.00210	-4.91830	-4.79710
1.101	-4.041	5.14590	.03430	.04490	.01940	25.00000	-.11640	.13360	-.04370	-3.95850	-4.12410
1.101	-3.002	5.15000	.03570	.04380	.01940	25.00000	-.11640	.09000	-.00250	-2.95000	-3.05460
1.101	-1.992	5.14930	.03630	.02250	.00970	25.00000	-.11640	.02980	.01510	-1.96010	-2.02360
1.101	-1.007	5.14580	.03620	.03870	.02910	25.00000	-.11640	.01610	.06140	-.98390	-1.03110
1.101	-.001	5.14790	.03580	.02000	.01940	25.00000	-.11640	.02010	.02000	.00030	-.00300
1.101	.997	5.14870	.03480	-.01740	.01940	25.00000	-.10960	.00980	-.04460	.98960	1.00400
1.101	1.994	5.15080	.03390	-.01060	.01940	25.00000	-.11640	.00750	-.02880	1.99620	1.99160
1.101	2.970	5.15100	.03380	.03480	.00970	25.00000	-.11640	.09220	-.02260	2.93350	3.00740
1.101	3.957	5.15030	.03460	-.01500	.00970	25.00000	-.11640	-.01590	-.01410	3.93850	3.97590
1.101	4.937	5.15000	.03590	.03020	.00000	25.00000	-.11640	.00850	.05200	4.89170	4.98320
1.101	GRADIENT	.00047	.00005	-.00342	-.00186	.00000	-.00024	-.00808	.00125	.99354	1.00646

RUN NO. 237/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIRLON	ALPHA	BETA	ELEVON	BOFLAP	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIRL-IB	AIRL-OB
1.200	-4.820	4.26240	.00760	-.01170	.01000	25.00000	.04260	.05450	-.07780	-4.91830	-4.72140
1.201	-3.972	4.26200	.00830	-.04030	.01000	25.00000	.05110	.11340	-.19370	-3.96950	-3.97390
1.202	-2.938	4.26060	.00920	-.02050	.01000	25.00000	.05110	.08500	-.12610	-2.95500	-2.92150
1.201	-1.954	4.26020	.00960	-.01590	.01000	25.00000	.06820	.02470	-.05650	-1.95500	-1.95190
1.200	-.993	4.26000	.00950	.03520	.01000	25.00000	.07670	.02180	.04850	-.97820	-1.00810
1.201	-.003	4.26060	.00950	.01330	.01000	25.00000	.07670	.01510	.01150	.00520	-.01150
1.201	.967	4.26130	.00970	-.00260	.01000	25.00000	.08520	.00470	-.00990	.97440	.96010
1.201	1.980	4.26290	.00970	.01930	.01000	25.00000	.07670	.02210	.01660	1.99230	1.96770
1.201	2.944	4.26230	.00950	.06660	.01000	25.00000	.06820	.10090	.03230	2.92480	2.96270
1.201	3.946	4.26260	.01010	-.00400	.01000	25.00000	.07670	-.01020	.00230	3.93280	3.95950
1.201	4.921	4.26220	.01090	.03810	.01000	25.00000	.07670	.01470	.06200	4.89750	4.94410
1.201	GRADIENT	.00012	.00023	.00639	.00000	-.00000	.00323	-.00625	.01903	1.00296	.99705

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

PAGE 1023

AMES 118-1-11 OAI45A 01(-TO+)

(C2F048) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA =
 ELEVON =
 SPOBRK =
 RN/L =

BETA =
 BDFLAP =
 RUDDER =

5.000
 .000
 25.000
 5.000

.000
 .000
 .000

RUN NO. 227/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ALPHA	BETA	ELEVON	BDFLAP	SPOBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.298	-4.830	4.19740	.01210	.00820	.01000	25.00000	.01700	.05990	-.04350	-4.92360	-4.73650
1.298	-3.968	4.19810	.01260	-.02330	.01000	25.00000	.01700	.12320	-.16980	-3.96890	-3.96980
1.297	-2.948	4.19920	.01280	-.01570	.01000	25.00000	.01700	.09500	-.12630	-2.95500	-2.94030
1.297	-1.961	4.19940	.01270	-.00850	.01000	25.00000	.01700	.04010	-.05710	-1.95990	-1.96170
1.297	-.993	4.20490	.01260	.02400	.01000	25.00000	.01700	.01610	.03200	-.98390	-1.00170
1.297	.004	4.20660	.01260	.00890	.01000	25.00000	.04260	.00500	.01280	-.00500	.01280
1.296	.967	4.21430	.01260	-.00800	.01000	25.00000	.04260	-.01560	-.00030	.97430	.95970
1.296	1.977	4.21620	.01260	.00640	.01000	25.00000	.03410	.01180	.00100	1.99180	1.96180
1.296	2.938	4.21590	.01210	.05670	.01000	25.00000	.00850	.09660	.01690	2.92920	2.94730
1.296	3.951	4.21610	.01200	-.00410	.01000	25.00000	.02560	-.01020	.00210	3.93280	3.96990
1.296	4.921	4.21880	.01230	.03810	.01000	25.00000	.03410	.01430	.06200	4.89750	4.94410
1.296	GRADIENT	.00252	-.00003	.00410	-.00000	.00000	.00143	-.00787	.01608	1.00230	.99769

RUN NO. 218/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ALPHA	BETA	ELEVON	BDFLAP	SPOBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.404	-4.835	5.04260	.04510	.00810	.02000	25.00000	.00850	.05450	-.03840	-4.91830	-4.75120
1.404	-3.968	5.23020	.04610	.03500	.02000	25.00000	.00850	.10480	-.17480	-3.95050	-3.98480
1.403	-2.948	5.23320	.04640	-.02080	.02000	25.00000	.00000	.08000	-.12150	-2.96000	-2.93550
1.403	-1.963	5.23320	.04650	-.01650	.02000	25.00000	.00000	.01430	-.04730	-1.96550	-1.96110
1.403	-.996	5.20890	.04500	.02730	.02000	25.00000	.00000	.01110	.04350	-.97900	-1.01320
1.404	-.008	5.21750	.04530	.02620	.02000	25.00000	.00000	.01510	.03720	.00520	-.02020
1.403	.972	5.21790	.04520	-.00280	.02000	25.00000	.00000	.00470	-.01030	.97440	.96970
1.403	1.982	5.21800	.04500	.01200	.02000	25.00000	.00000	.01290	.01120	2.00150	1.96240
1.403	2.935	5.22430	.04470	.05410	.02000	25.00000	.00000	.07130	.03590	2.92130	2.94780
1.403	3.959	5.22360	.04430	-.01210	.02000	25.00000	.00000	-.01020	-.01400	3.93280	3.98600
1.404	4.803	5.22460	.04430	.04440	.02000	25.00000	.00000	.02330	.06640	4.87790	4.93970
1.404	GRADIENT	.00762	-.00018	.00487	-.00000	.00000	-.00071	-.00611	.01585	1.00099	.99901

OAI145 TABULATED FORCE DATA

AMES 118-1-11 OAI145A 01(+TO-)

DATE 10 MAR 80

(C2F049) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XC = 1076.6800 IN.
YO = .0000 IN.
ZO = 375.0000 IN.

PARAMETRIC DATA

ALPHA = 5.000
ELEVON = .000
SPDBRK = 25.000
RUDDER = 5.000
BETA = .000
BOFLAP = .000
RUDDER = .000

RUN NO. 259/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ALPHA	BETA	ELEVON	BOFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.599	-4.820	4.19330	.00470	-.01170	.01000	25.00000	-.14220	.05450	-.07780	-4.91830	-4.72140
.598	-3.967	4.19450	.00700	-.03490	.01000	25.00000	-.14220	.11920	-.18890	-3.95450	-3.97890
.599	-2.941	4.19610	.00870	-.02770	.01000	25.00000	-.14220	.08000	-.13540	-2.97000	-2.91220
.599	-1.947	4.19690	.01090	-.02280	.01000	25.00000	-.14220	.01950	-.06510	-1.96030	-1.93290
.599	-.996	4.19740	.01360	.01590	.01000	25.00000	-.14220	-.00020	.03200	-.99030	-1.00170
.600	-.004	4.19920	.01610	.01710	.01000	25.00000	-.15060	.00990	.02420	-.00990	.00130
.598	.965	4.19950	.01790	-.00490	.01000	25.00000	-.15060	.00470	-.01450	.97440	.95550
.599	1.985	4.19970	.01960	.01470	.01000	25.00000	-.15060	.01820	.01120	2.00690	1.96240
.599	2.933	4.19950	.02130	.06140	.01000	25.00000	-.15060	.09100	.03180	2.92360	2.94260
.599	3.949	4.19830	.02340	-.00680	.01000	25.00000	-.15060	-.01590	.00230	3.93850	3.95950
.599	4.915	4.19820	.02510	.03230	.01000	25.00000	-.14220	-.00190	.06640	4.89050	4.93970
.599	GRADIENT	.00053	.00211	.00607	.00000	.00000	-.00078	-.00734	.01947	1.00375	.99625

RUN NO. 205/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ALPHA	BETA	ELEVON	BOFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.902	-4.930	5.44050	.04020	-.03870	-.08040	25.00000	.00850	-.02700	-.05050	-4.94780	-4.91190
.902	-4.050	5.43650	.04320	-.06210	-.08040	25.00000	.00000	.05920	-.18330	-3.97770	-4.12330
.903	-3.007	5.43300	.04550	-.06330	-.08040	25.00000	.00000	.01500	-.14160	-2.96500	-3.04860
.902	-1.998	5.42490	.04800	-.08630	-.08040	25.00000	.00000	-.04720	-.12550	-1.96640	-2.03000
.902	-1.039	5.42190	.05020	-.06350	-.08040	25.00000	.00850	-.06490	-.06220	-1.00540	-1.07290
.902	-.006	5.42250	.05180	-.04090	-.07040	25.00000	.00000	-.02650	-.05540	.00380	-.01540
.903	.973	5.42390	.05290	-.10400	-.07040	25.00000	.00000	-.08560	-.12250	.98300	.96400
.904	1.993	5.42770	.05450	-.09530	-.07040	25.00000	.00000	-.05500	-.13560	1.99450	1.99130
.902	2.973	5.43040	.05620	-.06300	-.08040	25.00000	.00000	.01510	-.14110	2.93340	3.01250
.901	3.996	5.43330	.05860	-.12470	-.07040	25.00000	.00000	-.09140	-.15790	3.95460	4.03810
.901	5.006	5.43800	.06120	-.11230	-.07040	25.00000	.00000	-.06630	-.15820	4.89690	5.11580
.901	GRADIENT	-.00082	.00193	-.00590	.00110	.00000	-.00051	-.00806	-.00373	.99205	1.00794

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

PAGE 1025

AMES 118-1-11 OAI45A 01(+TO-)

(C2F049) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 238/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ALPHA	BETA	ELEVON	BDFLAP	SPDBRK	RUDDER	ELV-1B	ELV-OB	AIL-1B	AIL-OB
1.202	-4.820	4.26230	.00800	.00390	.01000	25.00000	.07670	.07100	-.06310	-4.91250	-4.72650
1.202	-3.989	4.26190	.00890	-.03790	.01000	25.00000	.07670	.12320	-.19890	-3.96890	-3.96890
1.201	-2.931	4.26280	.00950	-.02270	.01000	25.00000	.07670	.09000	-.13540	-2.95000	-2.91220
1.202	-1.954	4.26250	.01000	-.02080	.01000	25.00000	.06820	.02470	-.06630	-1.95500	-1.95250
1.201	-1.004	4.26190	.01020	.02410	.01000	25.00000	.06820	.01510	.03270	-.99470	-1.01250
1.200	-.000	4.25380	.00990	.02760	.01000	25.00000	.06820	.00970	.04000	.00520	-.00600
1.202	.960	4.26430	.00920	-.00010	.01000	25.00000	.07670	.01820	-.00990	.95920	.96010
1.201	1.992	4.26430	.00880	.00750	.01000	25.00000	.07670	.10090	-.00320	2.00690	1.97880
1.200	2.946	4.26540	.00910	.06420	.01000	25.00000	.07670	.10090	.02740	2.92480	2.96760
1.204	3.952	4.26160	.00960	-.01470	.01000	25.00000	.07670	-.01590	-.01350	3.93850	3.96510
1.200	4.923	4.26270	.01090	.04060	.01000	25.00000	.07670	.01430	.06680	4.89750	4.94900
1.200	GRADIENT	.00014	.00012	.00529	.00000	-.00000	.00024	-.00768	.01824	1.00270	.99730

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 265/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ALPHA	BETA	ELEVON	BDFLAP	SPDBRK	RUDDER	ELV-1B	ELV-OB	AIL-1B	AIL-OB
.598	-5.765	-.02940	9.93970	3.21750	.01000	25.00000	-.12550	10.12400	9.75550	3.11300	3.32210
.598	-.875	.00380	9.93540	3.21330	.01000	25.00000	-.12550	10.12400	9.74690	3.11300	3.31360
.597	1.656	.01430	9.93260	3.21610	.01000	25.00000	-.11710	10.12400	9.74140	3.11300	3.31920
.598	4.230	.01990	9.93540	3.21330	.01000	25.00000	-.11710	10.12400	9.74690	3.11300	3.31360
.597	6.252	.05720	9.93750	3.21540	.01000	25.00000	-.11710	10.12400	9.75120	3.11300	3.31790
.599	7.297	.06140	9.93750	3.21540	.01000	25.00000	-.11710	10.12400	9.75120	3.11300	3.31790
.598	9.347	.07540	9.93540	3.21330	.01000	25.00000	-.12550	10.12400	9.74690	3.11300	3.31360
.597	11.401	.08610	9.93710	3.22060	.01000	25.00000	-.14220	10.12900	9.74560	3.11780	3.32340
.597	14.446	.09310	9.93750	3.21540	.01000	25.00000	-.15060	10.12400	9.75120	3.11300	3.31790
	GRADIENT	.00315	.00000	-.00000	.00000	.00000	.00164	.00000	.00001	.00000	-.00001

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PARAMETRIC DATA

BETA = .000
 AILRON = 3.000
 SPDBRK = 25.000
 RN/L = 5.000
 ELEVON = 10.000
 BDFLAP = .000
 RUDDER = .000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 251/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AIRLON	BOFLAP	SPOBRK	RUDDER	ELV-OB	AIL-OB	AIL-OB
.800	-5.564	-.0270	9.95730	3.19370	.01000	25.00000	.00000	9.80120	3.12350	3.26790
.800	-.796	.00700	9.95730	3.19570	.01000	25.00000	.00850	9.80120	3.12350	3.26790
.800	1.724	.02190	9.95730	3.19570	.01000	25.00000	.02560	9.80120	3.12350	3.26790
.797	4.225	.01900	9.95490	3.19330	.01000	25.00000	.03410	9.80120	3.12350	3.26790
.798	6.299	.05260	9.95730	3.19570	.01000	25.00000	.04260	9.80120	3.12350	3.26790
.800	7.302	.06280	9.95270	3.19120	.01000	25.00000	.03410	9.79690	3.12350	3.26360
.798	9.357	.07150	9.95730	3.19570	.01000	25.00000	.03410	9.80120	3.12350	3.26790
.799	11.417	.07720	9.95270	3.19120	.01000	25.00000	.03410	9.79690	3.12350	3.26360
.798	14.482	.08540	9.95510	3.19360	.01000	25.00000	.00000	9.79690	3.12350	3.26360
GRADIENT	.00239	.00239	-.00048	-.00048	.00000	.00000	.00510	.00000	-.00095	-.00000

RUN NO. 198/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AIRLON	BOFLAP	SPOBRK	RUDDER	ELV-OB	AIL-OB	AIL-OB
.902	-4.1645	-.03260	10.02800	3.13680	-.08040	25.00000	-.14220	9.97250	3.13440	3.13920
.901	.495	.01030	10.02800	3.13680	-.08040	25.00000	-.15060	9.97250	3.13440	3.13920
.902	3.017	.02000	10.02800	3.13160	-.08040	25.00000	-.18400	9.97810	3.12960	3.13360
.899	5.585	.04610	10.02600	3.13440	-.08040	25.00000	-.18400	9.97250	3.12960	3.13920
.899	7.615	.05960	10.02600	3.12950	-.08040	25.00000	-.16730	9.97380	3.12960	3.12940
.900	8.641	.06370	10.02900	3.12690	-.08040	25.00000	-.15890	9.97380	3.12450	3.12940
.900	10.681	.07030	10.02600	3.12970	-.08040	25.00000	-.10870	9.96830	3.12450	3.13490
.900	12.749	.06990	10.02400	3.12730	-.08040	25.00000	-.08370	9.96960	3.12960	3.12510
.900	15.834	.07590	10.01900	3.12770	-.08040	25.00000	-.10040	9.96400	3.12480	3.13070
GRADIENT	.00711	.00711	-.00000	-.00058	.00000	.00000	-.00489	.00062	-.00053	-.00062

RUN NO. 250/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AIRLON	BOFLAP	SPOBRK	RUDDER	ELV-OB	AIL-OB	AIL-OB
1.194	-5.825	-.05520	9.92150	3.17700	.02000	25.00000	.06420	9.71500	3.12800	3.22610
1.202	-.830	.09260	9.91910	3.17460	.02000	25.00000	.05970	9.71500	3.12320	3.22610
1.191	1.730	.01440	9.91910	3.17460	.02000	25.00000	.05110	9.71500	3.12320	3.22610
1.194	4.320	.01620	9.91700	3.17250	.02000	25.00000	.05970	9.71070	3.12320	3.22180
1.200	6.341	.05150	9.94900	3.20450	.02000	25.00000	.08520	9.77470	3.12320	3.28580
1.197	7.387	.05250	9.94900	3.20450	.02000	25.00000	.08520	9.77470	3.12320	3.28160
1.196	9.469	.05680	9.94680	3.20240	.02000	25.00000	.06820	9.77040	3.12320	3.27600
1.193	11.551	.05380	9.94960	3.19960	.02000	25.00000	.11080	9.76620	3.12320	3.27730
1.191	14.675	.04800	9.94470	3.19020	.01000	25.00000	.00000	9.76620	3.12320	3.27730
GRADIENT	.00264	.00264	-.00041	-.00041	.00000	.00000	.00000	-.00084	.00000	-.00084

PARAMETRIC DATA

BETA = .000 ELEVON = 10.000
 AIRLON = 3.000 BOFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

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OAI45 TABULATED FORCE DATA

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(C2F050) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA =
 AILRON =
 SPOBRK =
 RN/L =
 ELEVON = 10.000
 BOFLAP = .000
 RUDDER = .000

RUN NO. 221/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-1B	AIL-1B	ELV-0B	AIL-0B
1.297	-5.836	.04040	9.96470	3.19250	.02000	25.00000	-.02510	10.11800	3.11840	9.81100	3.26660
1.296	-7.758	-.00200	9.96020	3.18800	.02000	25.00000	-.02510	10.11400	3.11360	9.80680	3.26230
1.296	1.723	.01300	9.96080	3.18310	.02000	25.00000	-.02510	10.11400	3.11360	9.80800	3.25250
1.297	4.286	.01450	9.95810	3.18580	.02000	25.00000	-.03350	10.11400	3.11360	9.80250	3.25800
1.297	6.295	.05320	9.96080	3.18310	.02000	25.00000	-.03350	10.11400	3.11360	9.80800	3.25250
1.297	7.340	.05400	9.95810	3.18580	.02000	25.00000	-.03350	10.11400	3.11360	9.80250	3.25800
1.295	9.377	.05960	9.95810	3.18580	.02000	25.00000	-.02510	10.11400	3.11360	9.80250	3.25800
1.295	11.493	.05560	9.95810	3.18580	.02000	25.00000	-.03350	10.10900	3.10980	9.79820	3.25380
1.294	14.563	.04760	9.95350	3.18130	.02000	25.00000	-.03350	10.10900	3.10980	9.79820	3.25380
	GRADIENT	.00326	-.00042	-.00043	.00000	-.00000	-.00167	.00000	-.00000	-.00086	-.00084

RUN NO. 212/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-1B	AIL-1B	ELV-0B	AIL-0B
1.402	-5.003	.04240	9.96750	3.18970	.01000	25.00000	-.05860	10.11800	3.11840	9.81660	3.26100
1.403	.143	.00820	9.96300	3.18520	.01000	25.00000	-.06690	10.11400	3.11360	9.81230	3.25680
1.401	2.624	.01760	9.96080	3.18310	.02000	25.00000	-.05860	10.11400	3.11360	9.80800	3.25250
1.400	5.224	.04850	9.96080	3.18310	.01000	25.00000	-.05860	10.11400	3.11360	9.80800	3.25250
1.399	7.156	.04670	9.96080	3.18310	.02000	25.00000	-.06690	10.11400	3.11360	9.80800	3.25250
1.399	8.215	.05400	9.96080	3.18310	.02000	25.00000	-.06690	10.11400	3.11360	9.80800	3.25250
1.397	10.365	.06470	9.95840	3.18070	.02000	25.00000	-.05860	10.10900	3.10880	9.80800	3.25250
1.398	12.471	.06460	9.95650	3.17830	.02000	25.00000	-.06690	10.10400	3.11400	9.80930	3.24270
	GRADIENT	.00379	-.00089	-.00085	.00403	.00000	.00335	.00000	.00000	-.00173	-.00173

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OAI145 TABULATED FORCE DATA

AMES 118-1-11 OAI145A 01

(C2F051) (16 JUL 77)

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REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

BETA = .000
AILRON = 5.000
SPDBRK = 25.000
RUDDER = 5.000
ELEVON = 10.000
BDFLAP = .000
RUDDER = .000

PARAMETRIC DATA

RUN NO. 265/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-OB	AIL-OB	AIL-IB
.599	-5.759	-.02190	9.91650	5.10800	.01000	25.00000	-.09200	9.82460	5.02500	5.19090
.598	-.808	.00980	9.91650	5.10800	.01000	25.00000	-.09200	9.82460	5.02500	5.19090
.598	1.731	.02100	9.91410	5.10550	.01000	25.00000	-.09200	9.81980	5.02500	5.18610
.598	4.260	.02810	9.91410	5.10550	.01000	25.00000	-.09200	9.81980	5.02500	5.18610
.598	6.249	.06410	9.90890	5.10030	.01000	25.00000	-.09200	9.81980	5.02500	5.18610
.598	7.292	.08800	9.91410	5.10550	.01000	25.00000	-.09200	9.81980	5.02500	5.18610
.598	9.344	.08260	9.91410	5.10550	.01000	25.00000	-.09200	9.81980	5.02500	5.18610
.596	11.376	.09780	9.90890	5.10030	.01000	25.00000	-.08370	9.81020	5.01920	5.17650
.598	14.381	.10480	9.90650	5.09790	.01000	25.00000	.00000	-.00095	.00000	-.00095
	GRADIENT	.00361	-.00047	-.00049	.00000	.00000	.00000			

RUN NO. 252/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-OB	AIL-OB	AIL-IB
.799	-5.804	-.01850	9.92620	5.08290	.01000	25.00000	-.02510	9.84960	5.01920	5.14670
.801	-.811	.01360	9.92330	5.08010	.01000	25.00000	-.02510	9.84960	5.01350	5.14670
.799	1.730	.02630	9.92330	5.08010	.00000	25.00000	.00000	9.83510	5.01350	5.14200
.797	4.254	.02780	9.91600	5.07770	.01000	25.00000	.00850	9.84480	5.01350	5.14180
.799	6.290	.05990	9.92090	5.07770	.00000	25.00000	.01700	9.84480	5.01350	5.14180
.798	7.313	.07000	9.92090	5.07770	.00000	25.00000	.01700	9.84480	5.01350	5.14180
.797	9.349	.07990	9.92090	5.07770	.01000	25.00000	-.07530	9.84480	5.01350	5.14180
.800	11.407	.08470	9.92090	5.07770	.00000	25.00000	.00496	-.00286	.00000	-.00093
	GRADIENT	.00281	-.00144	-.00047	-.00000	.00000	.00000			

RUN NO. 199/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-OB	AIL-OB	AIL-IB
.901	-4.717	-.02700	9.95080	5.08340	-.09050	25.00000	.00000	9.96700	5.04140	5.12540
.899	.480	.01640	9.95070	5.07870	-.08040	25.00000	.00000	9.96220	5.03680	5.12060
.901	3.010	.02690	9.95600	5.08400	-.08040	25.00000	.00000	9.96700	5.04260	5.12540
.901	5.575	.05340	9.95310	5.08110	-.08040	25.00000	.00000	9.96700	5.03680	5.12540
.901	7.609	.06570	9.95310	5.08110	-.08040	25.00000	.00000	9.96710	5.03110	5.11560
.900	8.631	.07100	9.95030	5.07330	-.08040	25.00000	.00000	9.96220	5.03680	5.12060
.900	10.668	.07570	9.95070	5.07870	-.09050	25.00000	.00000	9.96220	5.03110	5.12060
.898	12.725	.07490	9.94780	5.07580	-.08040	25.00000	.00000	9.96220	5.03110	5.12060
.898	15.811	.03080	9.94780	5.07580	-.08040	25.00000	.00000	-.00014	.00000	-.00014
	GRADIENT	.00718	.00057	-.00007	.00140	-.00000	.00000			

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(C2F051) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = 10.000
 AILRON = 5.000 BDFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 231/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-08	AIL-08	AIL-08
1.200	-5.826	-0.0390	9.91910	5.10060	.01000	25.00000	.10230	9.82970	5.02500	5.17620
1.205	-5.826	.00620	9.91380	5.09530	.01000	25.00000	.10230	9.82490	5.01920	5.17140
1.199	1.740	.01800	9.90870	5.09560	.01000	25.00000	.11080	9.82010	5.02460	5.16660
1.194	4.319	.01840	9.90870	5.09560	.01000	25.00000	.11080	9.82010	5.02460	5.16660
1.196	6.345	.05630	9.90870	5.09560	.01000	25.00000	.11930	9.82010	5.02460	5.16660
1.195	7.388	.05730	9.91140	5.09290	.01000	25.00000	.11930	9.82010	5.01920	5.16660
1.199	9.448	.06170	9.91140	5.09290	.01000	25.00000	.11080	9.82010	5.01920	5.16660
1.197	11.531	.05930	9.91140	5.09290	.01000	25.00000	.11080	9.82010	5.01920	5.16660
1.186	14.663	.05380	9.90850	5.09000	.01000	25.00000	.10230	9.82010	5.01350	5.16660
	GRADIENT	.00237	-0.0099	.00006	.00000	.00000	.00165	-0.0093	.00105	-0.0093

RUN NO. 222/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-08	AIL-08	AIL-08
1.297	-5.831	-0.01500	9.92800	5.08980	.02000	25.00000	-.02510	9.85910	5.01350	5.16600
1.299	-5.826	-0.0130	9.92300	5.09000	.02000	25.00000	-.02510	9.85430	5.01880	5.16120
1.296	1.690	.01710	9.92300	5.08510	.02000	25.00000	-.02510	9.85440	5.01880	5.15150
1.296	4.246	.01910	9.92060	5.08760	.02000	25.00000	-.02510	9.84950	5.01350	5.15640
1.294	6.285	.05690	9.92320	5.08490	.02000	25.00000	-.02510	9.84950	5.01880	5.15640
1.295	7.335	.05770	9.92060	5.08760	.02000	25.00000	-.02510	9.84950	5.01310	5.15640
1.295	9.400	.06340	9.91770	5.08470	.02000	25.00000	-.02510	9.84950	5.01310	5.15640
1.295	11.529	.06200	9.91770	5.08470	.02000	25.00000	-.02510	9.84950	5.00770	5.16120
1.294	14.578	.04710	9.92280	5.08450	.02000	25.00000	-.02510	9.85430	.00000	-0.0094
	GRADIENT	.00401	-0.0047	-0.00047	.00000	.00000	.00000	-0.0095	.00000	-0.0094

RUN NO. 213/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-08	AIL-08	AIL-08
1.403	-5.021	-0.03710	9.92780	5.09000	.01000	25.00000	.06820	9.86400	5.01880	5.16110
1.409	.071	.00730	9.92540	5.08760	.01000	25.00000	.06820	9.85920	5.01880	5.15630
1.401	2.659	.01750	9.92300	5.08510	.01000	25.00000	.06820	9.85440	5.01880	5.15150
1.401	5.133	.05130	9.92020	5.08230	.01000	25.00000	.07670	9.85440	5.01310	5.15150
1.399	7.228	.05550	9.92020	5.08230	.01000	25.00000	.08520	9.85440	5.01310	5.15150
1.398	8.183	.05580	9.92350	5.08560	.01000	25.00000	.08520	9.84960	5.02460	5.14670
1.397	10.226	.06470	9.92590	5.08800	.02000	25.00000	.08520	9.85440	5.02460	5.15150
1.398	12.377	.06720	9.92590	5.08800	.01000	25.00000	.07670	9.85440	5.02460	5.15150
	GRADIENT	.00394	-0.0093	-0.00097	-0.00000	.00000	.00000	-0.0185	.00000	-0.0185

0A145 TABULATED FORCE DATA
AMES 118-1-11 0A145A 01

DATE 10 MAR 80

(C2F052) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = 3.000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 263/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.599	-5.845	-0.4480	-9.91810	2.99810	.01000	25.00000	.00000	-9.84010	-9.99620	3.03410	2.96210
.600	-8.825	-0.0880	-9.92070	3.00060	.01000	25.00000	.00000	-9.84010	-10.00100	3.03410	2.96720
.600	1.714	.00440	-9.92570	3.00080	.01000	25.00000	.00000	-9.84010	-10.01100	3.03410	2.96750
.599	4.185	.02610	-9.92330	3.00320	.01000	25.00000	.00000	-9.84010	-10.00600	3.03410	2.97230
.599	6.244	.05650	-9.92310	2.99820	.01000	25.00000	.00000	-9.84010	-10.00600	3.03410	2.96240
.598	7.276	.06260	-9.92310	2.99820	.01000	25.00000	.00000	-9.84010	-10.00600	3.03410	2.96240
.597	9.311	.08020	-9.92310	2.99820	.01000	25.00000	.00000	-9.84010	-10.01100	3.03410	2.95760
.597	11.386	.09110	-9.92550	2.99580	.01000	25.00000	.00000	-9.84010	-10.01100	3.03410	2.95760
.596	14.452	.11470	-9.92570	3.00080	.01000	25.00000	.00000	-9.84010	-10.01100	3.03410	2.95760
		.00696	-0.00053	.00052	-0.00000	.00000	.00000	.00000	-0.00101	.00000	.00101

RUN NO. 249/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.801	-4.401	-0.3940	-9.93380	2.99810	.01000	25.00000	.11080	-9.85630	-10.01100	3.02870	2.96750
.801	1.652	-0.0980	-9.93640	3.00070	.01000	25.00000	.11080	-9.85630	-10.01600	3.02870	2.97270
.801	4.158	.01790	-9.94130	3.00080	.01000	25.00000	.10230	-9.85630	-10.02500	3.02870	2.97300
.800	6.242	.04880	-9.93910	2.99800	.01000	25.00000	.11930	-9.86170	-10.01600	3.02330	2.97270
.801	7.274	.05950	-9.93910	2.99800	.01000	25.00000	.09370	-9.86170	-10.01600	3.02330	2.97270
.797	9.291	.07480	-9.94160	3.00050	.01000	25.00000	.07670	-9.86170	-10.02200	3.02330	2.97780
.798	11.374	.08710	-9.94160	3.00050	.01000	25.00000	.01700	-9.86170	-10.02200	3.02330	2.97780
.800	14.472	.10680	-9.94160	3.00050	.01000	25.00000	.01700	-9.86170	-10.02200	3.02330	2.97780
		.00701	-0.00088	.00040	-0.00000	.00000	-0.00106	.00000	-0.00160	.00000	.00081

RUN NO. 196/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.901	-4.897	-0.2980	-10.21800	3.13810	-0.08040	25.00000	-0.05860	-9.95910	-10.47700	3.04510	3.23110
.901	3.348	.03190	-10.21800	3.13810	-0.08040	25.00000	-0.06690	-9.95910	-10.47700	3.04510	3.23110
.900	2.925	.03190	-10.21800	3.13810	-0.08040	25.00000	-0.07530	-9.95910	-10.47700	3.04510	3.23110
.899	5.453	.05670	-10.22000	3.14070	-0.08040	25.00000	-0.05860	-9.95910	-10.48200	3.04510	3.23630
.900	7.497	.06530	-10.22000	3.14070	-0.08040	25.00000	-0.06690	-9.95910	-10.48200	3.04510	3.23630
.899	8.518	.07190	-10.22300	3.13300	-0.08040	25.00000	-0.06690	-9.96450	-10.48100	3.03970	3.23630
.899	10.575	.08860	-10.22300	3.13800	-0.07040	25.00000	-0.04180	-9.96450	-10.48200	3.03970	3.23630
.899	12.653	.08970	-10.22300	3.13830	-0.07040	25.00000	-0.03350	-9.95910	-10.48700	3.04510	3.23150
.899	15.714	.11520	-10.22300	3.13840	-0.08040	25.00000	-0.06690	-9.96450	-10.48100	3.05050	3.22630
		.00762	-0.00000	.00000	-0.00000	.00000	-0.00205	.00000	-0.00000	.00000	.00000

OAI45 TABULATED FORCE DATA
AMES 118-1-11 OAI45A 01

DATE 10 MAR 80

(C2F052) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = 3.000 BDFLAP = .000
SPOBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 228/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
1.201	-5.852	-04020	-9.93130	3.00580	.01000	25.00000	.03410	-9.85090	-10.01200	3.03410	2.97750
1.202	-819	-00170	-9.93130	3.00580	.01000	25.00000	.05970	-9.85090	-10.01200	3.03410	2.97750
1.202	1.746	.01130	-9.93130	3.00580	.01000	25.00000	.05970	-9.85090	-10.01200	3.03410	2.97750
1.197	4.283	.02000	-9.93130	3.00580	.01000	25.00000	.06820	-9.85090	-10.01200	3.03410	2.97750
1.198	6.292	.05860	-9.93400	3.00310	.01000	25.00000	.09370	-9.85630	-10.01200	3.02870	2.97750
1.198	7.325	.06020	-9.93400	3.00310	.01000	25.00000	.11080	-9.85630	-10.01200	3.02870	2.97750
1.198	9.415	.06730	-9.93400	3.00310	.01000	25.00000	.07670	-9.85630	-10.01200	3.02870	2.97750
1.194	11.495	.07010	-9.93400	3.00310	.01000	25.00000	.07670	-9.85630	-10.01200	3.02870	2.97750
1.194	14.688	.06160	-9.93400	3.00310	.01000	25.00000	.06820	-9.85630	-10.01200	3.02870	2.97750
1.190	GRADIENT	.00425	.00000	.00000	.00000	.00000	.00166	.00000	.00000	.00000	.00000

RUN NO. 219/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
1.297	-5.145	-04390	-9.92840	2.99810	.01000	25.00000	.00000	-9.84550	-10.01100	3.02870	2.96750
1.296	.127	-00170	-9.93080	2.99570	.01000	25.00000	.00000	-9.84550	-10.01600	3.02870	2.96270
1.294	2.634	.01220	-9.93350	2.99300	.01000	25.00000	.00000	-9.85090	-10.01600	3.02330	2.96270
1.295	5.220	.04040	-9.93350	2.99540	.01000	25.00000	.01700	-9.85090	-10.01600	3.02330	2.96750
1.295	7.253	.05090	-9.93350	2.99540	.02000	25.00000	.00850	-9.85090	-10.01600	3.02330	2.96270
1.296	8.281	.05560	-9.93350	2.99300	.02000	25.00000	.01700	-9.85090	-10.01600	3.02330	2.96270
1.296	10.367	.06470	-9.93350	2.99290	.02000	25.00000	.01700	-9.84550	-10.02100	3.01790	2.96780
1.295	12.437	.06360	-9.93330	2.99290	.02000	25.00000	.01700	-9.84550	-10.01600	3.01790	2.96270
1.295	15.586	.06100	-9.93080	2.99030	.02000	25.00000	-.02510	-9.84550	-10.01600	3.01790	2.96270
1.294	GRADIENT	.00554	-.00108	-.00108	.00000	.00000	.00000	-.00215	.00000	-.00215	.00000

RUN NO. 210/ 0 RN/L = 5.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
1.404	-5.113	-03180	-9.93640	3.00070	.01000	25.00000	-.05020	-9.85630	-10.01600	3.02870	2.97270
1.404	.044	-00650	-9.93640	3.00070	.01000	25.00000	-.04180	-9.85630	-10.01600	3.02870	2.97270
1.403	2.591	.02440	-9.93910	2.99800	.01000	25.00000	-.04180	-9.86170	-10.01600	3.02330	2.97270
1.400	5.117	.03330	-9.93910	2.99800	.01000	25.00000	-.04180	-9.86170	-10.01600	3.02330	2.97270
1.399	7.126	.04210	-9.93910	2.99800	.01000	25.00000	-.04180	-9.86170	-10.01600	3.02330	2.96780
1.400	8.162	.04360	-9.94150	2.99560	.01000	25.00000	-.05020	-9.86170	-10.02100	3.02330	2.96780
1.401	10.299	.06320	-9.93910	2.99800	.01000	25.00000	-.05860	-9.86170	-10.01600	3.02330	2.97270
1.399	12.358	.06210	-9.93910	2.99800	.01000	25.00000	-.06690	-9.86170	-10.01600	3.02330	2.97270
1.399	15.483	.05510	-9.93910	2.99800	.01000	25.00000	-.07530	-9.86170	-10.01600	3.02330	2.97270
1.400	GRADIENT	.00349	-.00106	-.00106	.00000	.00000	.00000	-.00212	.00000	-.00212	.00000

0A145 TABULATED FORCE DATA

DATE 10 MAR 80

AMES 118-1-11 0A145A 01

(CF053) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA =
AILRON =
SPOBRK =
RN/L =
ELEVON = -10.000
BDFLAP = .000
RUDDER = .000
25.000
5.000

RUN NO. 268/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-08	AIL-08	AIL-08
.596	-5.885	-0.0420	-9.89050	5.06460	.01000	25.00000	.00000	-9.88650	5.04180	5.08730
.601	-1.994	-0.0730	-9.88790	5.06200	.01000	25.00000	.00000	-9.88650	5.03670	5.08730
.601	1.692	.00840	-9.88550	5.05950	.01000	25.00000	.00000	-9.88160	5.03670	5.08240
.600	4.163	.02620	-9.88550	5.05950	.01000	25.00000	.00000	-9.88160	5.03670	5.08240
.600	6.224	.05710	-9.88790	5.06200	.01000	25.00000	.00000	-9.88650	5.03670	5.08730
.599	7.253	.06330	-9.88790	5.06200	.01000	25.00000	.00000	-9.88650	5.03670	5.08730
.598	9.292	.08170	-9.89030	5.05960	.01000	25.00000	.00000	-9.89130	5.03670	5.08250
.597	11.359	.09400	-9.89030	5.05470	.01000	25.00000	.00000	-9.89120	5.03670	5.07280
	14.446	.11870	-9.88790	5.05710	.01000	25.00000	.00000	-9.88640	5.03670	5.07760
	GRADIENT	.00649	.00047	.00049	.00000	.00000	.00000	.00096	.00000	.00096

RUN NO. 254/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-08	AIL-08	AIL-08
.798	-5.855	-0.0430	-9.89110	5.04930	.01000	25.00000	.00000	-9.87660	5.03070	5.06780
.802	-1.853	-0.0580	-9.89600	5.04930	.01000	25.00000	.00000	-9.88630	5.03070	5.06790
.801	1.659	.01180	-9.89600	5.04930	.01000	25.00000	.00000	-9.88630	5.03070	5.06790
.802	4.171	.02110	-9.90080	5.04940	.01000	25.00000	.00000	-9.89600	5.03070	5.06800
.800	6.229	.05170	-9.90080	5.04450	.01000	25.00000	.00000	-9.89590	5.03070	5.05830
.800	7.261	.06180	-9.90080	5.04930	.01000	25.00000	.00000	-9.89590	5.03070	5.05830
.798	9.290	.07660	-9.89600	5.04690	.01000	25.00000	.00000	-9.88630	5.03070	5.06790
.799	11.355	.08750	-9.89840	5.04690	.01000	25.00000	.00000	-9.89110	5.03070	5.06310
	14.459	.10060	-9.89840	5.05180	.01000	25.00000	.00000	-9.89120	5.03070	5.07280
	GRADIENT	.00535	.00096	.00002	.00000	.00000	.00000	.00193	.00000	.00002

RUN NO. 201/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-08	AIL-08	AIL-08
.899	-4.804	-0.03510	-10.18300	5.22510	.08040	25.00000	.00000	-10.35900	5.05370	5.39660
.902	367	.02510	-10.18500	5.22270	.08040	25.00000	.00000	-10.36400	5.05370	5.39180
.902	2.926	.01570	-10.18500	5.22270	.08040	25.00000	.00000	-10.36400	5.05370	5.39180
.899	5.475	.05620	-10.18800	5.22000	.08040	25.00000	.00000	-10.36400	5.05370	5.39180
.897	7.531	.06300	-10.18500	5.22270	.07040	25.00000	.00000	-10.36400	5.05370	5.39180
.901	8.584	.07220	-10.18800	5.22000	.07040	25.00000	.00000	-10.36400	5.05370	5.39180
.901	10.607	.08560	-10.19000	5.22240	.07040	25.00000	.00000	-10.36800	5.05370	5.39660
.899	12.685	.08820	-10.19300	5.22490	.07040	25.00000	.00000	-10.36800	5.05370	5.39660
	15.759	.11050	-10.19000	5.21760	.07040	25.00000	.00000	-10.36800	5.05370	5.38700
	GRADIENT	.00675	.00028	.00033	.00000	.00000	.00000	.00069	.00000	.00067

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

(CF053) (16 JUL 77)

AMES 118-1-11 OAI45A 01

PARAMETRIC DATA

BETA =
AILRON =
SPDBRK =
RN/L =
ELEVON = -10.000
BDFLAP = .000
RUDDER = .000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

RUN NO. 233/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-08	AIL-08	AIL-08
1.202	-4.500	-.02710	-9.88070	5.05430	.01000	25.00000	.07670	-9.87200	5.03670	5.09200
1.202	-.794	.00310	-9.88350	5.06160	.01000	25.00000	.05970	-9.87200	5.03110	5.09200
1.201	1.776	.01500	-9.88330	5.06160	.01000	25.00000	.07670	-9.88170	5.03110	5.09210
1.199	4.307	.02330	-9.88330	5.06160	.01000	25.00000	.08520	-9.88170	5.03110	5.09210
1.196	6.324	.06060	-9.89090	5.06420	.01000	25.00000	.07670	-9.88170	5.03630	5.09210
1.199	7.362	.06180	-9.88830	5.06160	.01000	25.00000	.08520	-9.88170	5.03110	5.09210
1.196	9.434	.08800	-9.88830	5.06160	.01000	25.00000	.07670	-9.88170	5.03110	5.09210
1.202	11.524	.08860	-9.88830	5.06160	.01000	25.00000	.05970	-9.88170	5.03110	5.09210
1.199	14.560	.07330	-9.89070	5.05920	.01000	25.00000	.05970	-9.88650	5.03110	5.08730
	GRADIENT	.00574	-.00095	-.00030	.00000	.00000	.00122	-.00130	-.00062	.00001

RUN NO. 224/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-08	AIL-08	AIL-08
1.299	-5.915	-.02050	-9.89310	5.05680	.01000	25.00000	.00000	-9.89130	5.03110	5.08250
1.300	-.829	-.00650	-9.89340	5.05160	.01000	25.00000	.01700	-9.88640	5.02560	5.07760
1.299	1.730	.00480	-9.89590	5.05400	.01000	25.00000	.01700	-9.89130	5.02560	5.08250
1.296	4.217	.01030	-9.89590	5.05400	.02000	25.00000	.00850	-9.89130	5.02560	5.08250
1.295	6.249	.04840	-9.89590	5.05400	.02000	25.00000	.00000	-9.89130	5.02560	5.08250
1.299	7.285	.05020	-9.89590	5.05400	.02000	25.00000	.01670	-9.89610	5.02520	5.07770
1.299	9.374	.05830	-9.90360	5.05140	.02000	25.00000	.00000	-9.89130	5.02000	5.08250
1.310	11.436	.06910	-9.89870	5.05130	.02000	25.00000	.00000	-9.89130	5.02000	5.08250
1.306	14.566	.04680	-9.89870	5.05130	.02000	25.00000	.00168	-.00098	.00000	.00098
	GRADIENT	.00333	-.00050	.00048	.00197	.00000	-.00168	.00000	.00000	.00000

RUN NO. 215/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-08	AIL-08	AIL-08
1.399	-5.120	-.02420	-9.88590	5.05920	.01000	25.00000	.05970	-9.87680	5.03110	5.08720
1.409	.012	-.00120	-9.89100	5.05400	.01000	25.00000	.05110	-9.88160	5.02560	5.08240
1.405	2.588	.00420	-9.89100	5.05400	.01000	25.00000	.05110	-9.88160	5.02560	5.08240
1.400	5.140	.03380	-9.89100	5.05400	.01000	25.00000	.05110	-9.88160	5.02560	5.08240
1.401	7.231	.04490	-9.89100	5.05400	.01000	25.00000	.05970	-9.88160	5.02560	5.08240
1.402	8.268	.04940	-9.89590	5.05400	.01000	25.00000	.05970	-9.88160	5.02560	5.08240
1.398	10.337	.05990	-9.89100	5.05400	.01000	25.00000	.05970	-9.88160	5.02560	5.08240
1.398	12.420	.05990	-9.89100	5.05400	.01000	25.00000	.05970	-9.88160	5.02560	5.08240
	GRADIENT	.00210	.00000	.00000	.00000	.00000	-.00000	.00000	.00000	.00000

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

(C2F054) (22 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 AILIRON = 5.000 BDFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

GRADIENT INTERVAL = -5.00/ 5.00

RN/L = 4.98

RUN NO. 0/ 0

MACH	ELEVON	ALPHA	BETA	AILIRON	BDFLAP	SPDBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.599	-29.973	4.13410	.04640	4.92580	.01000	25.00000	.00000	-30.05900	-29.88700	5.00240	4.84920
.600	-20.000	4.18590	.04020	4.94760	.01000	25.00000	.00000	-19.93500	-20.06500	4.97060	4.92460
.600	-14.938	4.23720	.04070	4.98040	.01000	25.00000	.00000	-14.92200	-14.95300	4.99790	4.96300
.599	-9.896	4.30750	.04540	5.05940	.01000	25.00000	.00000	-9.90010	-9.89130	5.03630	5.08250
.599	-5.972	4.19320	.04440	4.99180	.01000	25.00000	.00000	-5.94840	-5.99560	4.95780	5.02590
.599	-3.962	4.23250	.04580	4.93630	.01000	25.00000	.00000	-3.94930	-3.97490	4.93850	4.93420
.599	-1.983	4.27300	.04720	4.98220	.01000	25.00000	.00000	-1.96230	-2.00260	4.97700	4.98740
.599	.038	4.30380	.04800	4.92500	.01000	25.00000	.00000	.00850	.06720	4.89170	4.95830
.599	2.044	4.21820	.04830	4.92170	.01000	25.00000	.00000	2.07250	2.01650	4.89640	4.94700
.599	4.004	4.25710	.04980	4.98360	.01000	25.00000	.00000	4.11890	3.88840	5.10880	4.85840
.598	6.117	4.29460	.05110	5.09910	.01000	25.00000	.00000	6.08500	6.14830	5.09490	5.10320
.599	9.916	4.36230	.05250	5.10260	.01000	25.00000	.00000	10.00300	9.82950	5.01920	5.18600
.599	14.888	4.44810	.05550	5.22570	.01000	25.00000	.00000	15.08300	14.69300	5.08760	5.36390
.600	GRADIENT	- .00030	.00046	.00166	.00000	- .00000	.00000	1.01060	.98938	.01291	- .00960

GRADIENT INTERVAL = -5.00/ 5.00

RN/L = 5.03

RUN NO. 0/ 0

MACH	ELEVON	ALPHA	BETA	AILIRON	BDFLAP	SPDBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.800	-29.978	4.10420	.03530	4.92580	.00000	25.00000	-.00840	-30.05900	-29.89700	5.00240	4.84910
.802	-19.998	4.15340	.03140	4.94000	.00000	25.00000	-.01670	-19.93500	-20.06000	4.96020	4.91980
.801	-14.935	4.21390	.02940	4.98290	.00000	25.00000	.03410	-14.92200	-14.94900	4.99790	4.96790
.801	-9.898	4.27700	.02870	5.06200	.00000	25.00000	.01700	-9.90520	-9.89130	5.04140	5.08250
.801	-5.974	4.35280	.03260	4.99000	.00000	25.00000	.02560	-5.93140	-6.01630	4.96360	5.01630
.800	-3.972	4.39240	.03520	4.93680	.00000	25.00000	.02560	-3.94930	-3.99410	4.93850	4.93520
.800	-1.998	4.43310	.03820	4.98180	.00000	25.00000	.05970	-1.97800	-2.01790	4.98160	4.98210
.800	.038	4.25770	.02820	4.92030	.00000	25.00000	.02560	.00850	.06680	4.89170	4.94900
.800	2.049	4.30360	.02990	4.92610	.00000	25.00000	.01700	2.07250	2.02540	4.89640	4.95590
.800	4.004	4.35210	.03170	4.97910	.00000	25.00000	.02560	4.11990	3.88840	5.09970	4.85840
.801	6.125	4.39910	.03320	5.09720	.00000	25.00000	.05110	6.11420	6.13550	5.10410	5.09040
.801	9.922	4.48470	.03540	5.09810	.00000	25.00000	.01700	10.00800	9.83460	5.02500	5.17130
.801	14.886	4.25850	.02780	5.21920	.00000	25.00000	.03410	15.08400	14.68700	5.09750	5.34080
.801	GRADIENT	- .01061	-.00077	.00139	.00000	- .00000	-.00216	1.00944	.99054	.01171	- .00896

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA
AMES 118-1-11 OAI45A 01

PAGE 1035
(C2F054) (22 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

RUN NO.

RN/L = 4.97

GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	BETA	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.901	-30.726	5.24880	.06060	5.35860	-.09050	25.00000	-.05860	-30.22800	-31.22400	4.98390	5.73340
.902	-20.474	5.50950	.06430	5.17160	-.09040	25.00000	-.05690	-20.07700	-20.87200	4.98830	5.35500
.902	-15.355	5.58280	.06310	5.22590	-.09050	25.00000	-.05690	-15.04100	-15.87000	5.01760	5.43420
.901	-10.177	5.53490	.05540	5.21520	-.09050	25.00000	-.05860	-9.99600	-10.39900	5.04340	5.38700
.902	-6.220	5.54320	.05210	5.12190	-.09040	25.00000	-.05020	-6.04420	-6.39470	4.97390	5.27000
.899	-4.160	5.56360	.05150	5.03810	-.09050	25.00000	-.05860	-4.04620	-4.27340	4.94360	5.13250
.901	-2.135	5.56250	.05020	5.08270	-.09050	25.00000	-.05860	-2.02350	-2.24680	5.01610	5.14920
.900	-.102	5.53660	.04910	4.99480	-.09040	25.00000	-.05860	-.07760	-.12590	4.89640	5.09310
.900	1.941	5.56750	.05040	4.97180	-.09050	25.00000	-.05860	1.99580	1.88720	4.90280	5.04070
.900	3.951	5.60270	.05240	5.00420	-.08040	25.00000	-.05860	4.07870	3.82340	5.10810	4.90020
.900	6.085	5.58060	.05300	5.11950	-.08040	25.00000	-.05860	6.03520	6.13330	5.11450	5.12470
.899	9.966	5.58970	.05200	5.06950	-.08040	25.00000	-.05860	9.95410	9.97700	5.03340	5.10570
.900	15.012	5.60170	.04830	5.14560	-.08040	25.00000	-.05860	15.07000	14.95400	5.11150	5.17960
	GRADIENT	.00390	.00010	-.00882	.00099	.00000	.00000	.99854	1.00146	.01058	-.02822

RUN NO.

RN/L = 4.99

GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	BETA	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.952	-30.725	4.98180	.05980	5.37470	-.08040	25.00000	.00000	-30.21500	-31.23600	5.01470	5.73470
.951	-20.456	5.23300	.06290	5.16980	-.08040	25.00000	.00850	-20.06600	-20.84500	4.96720	5.37230
.953	-15.364	5.24700	.05940	5.23450	-.08040	25.00000	.00850	-15.04600	-15.68200	5.02290	5.44610
.951	-10.176	5.32800	.06010	5.21160	-.08040	25.00000	.02560	-10.01300	-10.34000	5.02670	5.39660
.951	-6.214	5.18830	.05550	5.13230	-.07040	25.00000	.02560	-6.04420	-6.38420	4.97390	5.29070
.951	-4.167	5.22310	.05350	5.04050	-.08040	25.00000	.00000	-4.05130	-4.28330	4.93850	5.14240
.950	-2.156	5.25280	.05090	5.07670	-.08040	25.00000	.00000	-2.04000	-2.27200	4.99960	5.15380
.951	-.108	5.28550	.04850	4.99380	-.08040	25.00000	.00000	-.05510	-.16170	4.89730	5.09020
.951	1.934	5.31830	.04680	4.95330	-.08040	25.00000	.00000	1.98610	1.88270	4.87030	5.03630
.951	3.930	5.29290	.04580	4.99310	-.08040	25.00000	.00000	4.05740	3.80310	5.09660	4.88960
.951	6.091	5.32480	.04600	5.12990	-.08040	25.00000	.00000	6.05020	6.13110	5.13930	5.12040
.950	9.969	5.28900	.04710	5.06270	-.08040	25.00000	.00850	9.95930	9.97730	5.03910	5.08620
.950	15.020	5.30310	.05030	5.14100	-.07040	25.00000	.00850	15.05400	14.98500	5.10550	5.17640
	GRADIENT	.01013	-.00096	-.01080	-.00000	.00000	.00000	.99789	1.00212	.00910	-.03069

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(C2F054) (22 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
AILRON = 5.000 BDFLAP = .000
SPOBRK = 25.000 RUDDER = .000
RN/L = 5.000

MACH	ELEVON	ALPHA	BETA	RUN NO.	0/ 0	RN/L = 5.02	GRADIENT INTERVAL = -5.00/ 5.00	SPOBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.202	-29.965	4.16050	.04110			4.92880	.01000	25.00000	.06820	-30.04800	-29.88200	5.01340	4.84420
1.202	-19.985	4.28690	.04540			4.94830	.01000	25.00000	.05110	-19.92500	-20.04400	4.97050	4.92620
1.202	-14.932	4.35630	.04870			4.99110	.01000	25.00000	.06820	-14.91600	-14.94900	5.01430	4.96790
1.201	-9.983	4.42350	.04700			5.06160	.01000	25.00000	.05970	-9.89490	-9.87200	5.03110	5.09200
1.199	-5.969	4.45550	.04130			5.00600	.01000	25.00000	.06820	-5.93690	-6.00120	4.98050	5.03150
1.199	-3.967	4.31430	.03760			4.94170	.01000	25.00000	.05970	-3.94930	-3.98450	4.94870	4.93470
1.200	-1.990	4.34030	.03590			4.98980	.01000	25.00000	.05970	-1.97750	-2.00260	4.98220	4.98740
1.199	.042	4.36830	.03580			4.92050	.01000	25.00000	.05970	.01310	.07170	4.88710	4.95380
1.200	2.057	4.39360	.03710			4.92470	.01000	25.00000	.05970	2.07950	2.03520	4.90340	4.94610
1.201	4.004	4.41930	.03920			4.97920	.01000	25.00000	.05970	4.12400	3.88460	5.10380	4.85460
1.199	6.117	4.44900	.04130			5.10030	.01000	25.00000	.06820	6.10460	6.12830	5.09450	5.10610
1.190	9.921	4.38090	.04790			5.10790	.01000	25.00000	.07670	10.00800	9.83430	5.02500	5.19080
1.202	14.878	4.44600	.05370			5.20670	.01000	25.00000	.05970	15.08200	14.67400	5.07760	5.33570
	GRADIENT	.01317	.00022			.00043	.00000	-.00000	.00000	1.01062	.98937	.01091	-.01005

MACH	ELEVON	ALPHA	BETA	RUN NO.	0/ 0	RN/L = 4.99	GRADIENT INTERVAL = -5.00/ 5.00	SPOBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.297	-29.986	4.21510	.08720			4.92280	.01000	25.00000	-.02510	-30.07000	-29.90200	4.99140	4.85420
1.299	-19.997	4.26200	.09290			4.95020	.01000	25.00000	-.10040	-19.93000	-20.06500	4.97580	4.92460
1.300	-14.937	4.26820	.09220			4.98080	.01000	25.00000	-.12550	-14.91600	-14.95800	5.00340	4.95810
1.297	-9.881	4.32490	.08590			5.06980	.01000	25.00000	.00000	-9.89410	-9.86710	5.05250	5.08710
1.294	-5.972	4.29660	.08180			4.99750	.01000	25.00000	.01700	-5.94830	-5.99560	4.96910	5.02590
1.295	-3.975	4.31630	.08090			4.93400	.01000	25.00000	.02560	-3.95950	-3.98950	4.92830	4.93970
1.295	-1.995	4.25320	.07350			4.98960	.01000	25.00000	.00000	-1.96740	-2.02270	4.98210	4.99710
1.296	.040	4.27630	.07450			4.91860	.01000	25.00000	.03410	.01430	.06640	4.89750	4.93970
1.297	2.053	4.29610	.07600			4.92500	.01000	25.00000	.03410	2.07950	2.02590	4.90340	4.94650
1.296	4.001	4.31730	.07820			4.98610	.01000	25.00000	.04260	4.12400	3.87840	5.10380	4.86840
1.297	6.125	4.33750	.08060			5.10150	.01000	25.00000	.03410	6.10420	6.14550	5.11410	5.08890
1.296	9.934	4.30830	.05700			5.09620	.01000	25.00000	.01700	10.00900	9.85920	5.03610	5.15630
1.297	14.726	4.29580	.06370			5.02920	.02000	25.00000	.04260	14.94900	14.50400	4.95360	5.10490
	GRADIENT	.00225	-.00015			.00191	.00000	-.00000	.00342	1.01066	.98934	.01346	-.00964

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 AILRON = 5.000 BOFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 0/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	BETA	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
1.403	-29.992	4.95420	.05460	4.91780	.01000	25.00000	.00000	-30.07100	-29.91200	4.98150	4.85410
1.404	-19.982	5.21410	.05500	4.93530	.01000	25.00000	.00000	-19.92000	-20.04500	4.95470	4.91590
1.405	-14.927	5.20350	.04760	4.97020	.01000	25.00000	.00000	-14.90000	-14.95300	4.98730	4.95310
1.402	-9.893	5.24990	.04160	5.06730	.01000	25.00000	.00000	-9.90480	-9.88160	5.05210	5.08240
1.401	-5.969	5.25190	.03920	4.99500	.02000	25.00000	.00000	-5.94260	-5.99500	4.97480	5.01520
1.401	-3.967	5.24940	.03930	4.93150	.01000	25.00000	.00000	-3.95440	-3.97940	4.93340	4.92960
1.403	-1.990	5.27070	.04010	4.98460	.01000	25.00000	.00000	-1.96230	-2.01770	4.97700	4.99220
1.403	.045	5.26480	.04180	4.92330	.02000	25.00000	.00000	.02350	.06720	4.88830	4.95830
1.403	2.051	5.28200	.04330	4.92370	.02000	25.00000	.00000	2.07250	2.03030	4.89640	4.95100
1.402	4.002	5.13420	.04510	4.95710	.01000	25.00000	.00000	4.11770	3.88680	5.07730	4.83680
1.402	5.881	5.22330	.04650	4.84730	.01000	25.00000	.00000	6.10440	5.65830	5.10440	4.59020
1.401	9.949	5.26430	.05130	5.07500	.01000	25.00000	.00000	10.03000	9.86910	5.00360	5.14640
1.401	14.761	5.31870	.05660	5.04150	.02000	25.00000	.00000	14.93400	14.58800	4.91950	5.16340
1.401	GRADIENT	- .01089	.00074	- .00054	.00051	- .00000	.00000	1.00990	.99009	.01023	- .01131

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AMES 118-1-11 0A145A 01

(CZF055) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = 2.000
AILRON = 5.000 BOFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 217/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	BETA	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
1.401	-29.983	5.27540	2.24310	4.93100	.02000	25.00000	.03410	-30.05400	-29.91200	5.00790	4.89410
1.403	-19.987	5.40830	2.23110	4.94020	.02000	25.00000	.02560	-19.92000	-20.05500	4.96520	4.91510
1.403	-14.938	5.44720	2.22340	4.97560	.02000	25.00000	.02560	-14.92700	-14.94800	5.00320	4.94800
1.404	-9.888	5.43870	2.21430	5.05680	.02000	25.00000	.02560	-9.89490	-9.88160	5.03110	5.08240
1.403	-5.974	5.46850	2.21120	4.98960	.02000	25.00000	.02560	-5.94270	-6.00570	4.96350	5.01580
1.403	-3.965	5.48420	2.21280	4.92870	.02000	25.00000	.02560	-3.95950	-3.96980	4.92830	4.92910
1.404	-1.985	5.49860	2.21270	4.99000	.02000	25.00000	.02560	-1.96190	-2.00760	4.98760	4.99240
1.403	.033	5.47330	2.21630	4.93610	.02000	25.00000	.01700	.01890	.04620	4.89290	4.97920
1.403	2.039	5.48700	2.22060	4.92990	.02000	25.00000	.02560	2.06080	2.01700	4.92220	4.93760
1.404	3.996	5.50000	2.22020	4.97550	.02000	25.00000	.02560	4.11170	3.87960	5.09150	4.85960
1.403	6.119	5.48350	2.22790	5.10260	.02000	25.00000	.02560	6.10910	6.12980	5.10910	5.09610
1.401	9.928	5.47930	2.23900	5.08960	.02000	25.00000	.02560	10.00200	9.85410	5.00810	5.17100
1.401	14.754	5.52170	2.25170	5.03900	.02000	25.00000	.01700	14.91400	14.59300	4.91890	5.15900
1.401	GRADIENT	.00099	.00114	.00164	-.00000	-.00000	-.00044	1.01102	.98897	.01299	-.00969

0A145 TABULATED FORCE DATA
AMES 118-1-11 0A145A 01

DATE 10 MAR 80

(C2F056) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = -5.000 BETA = .000
AILRON = 5.000 BOFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 234/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	BETA	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-1B	ELV-OB	AIL-1B	AIL-OB
1.198	-29.975	-5.88330	-0.04100	4.92820	.01000	25.00000	.06820	-30.05800	-29.89200	5.01230	4.84410
1.208	-19.987	-5.80520	-0.04700	4.94510	.01000	25.00000	.06820	-19.91500	-20.06000	4.97030	4.91980
1.209	-14.932	-5.71840	-0.04340	4.98050	.01000	25.00000	.05970	-14.91100	-14.95300	4.99810	4.96300
1.206	-9.891	-5.63470	-0.03470	5.05880	.01000	25.00000	.05110	-9.90050	-9.88170	5.02560	5.09210
1.206	-5.972	-5.57220	-0.03960	5.00310	.01000	25.00000	.05110	-5.94260	-6.00120	4.97480	5.03150
1.202	-3.970	-5.55030	-0.04110	4.94390	.01000	25.00000	.05110	-3.94930	-3.99000	4.93850	4.94930
1.204	-1.985	-5.52220	-0.04530	4.99000	.01000	25.00000	.05110	-1.96190	-2.00760	4.98760	4.99240
1.202	.052	-5.49710	-0.04120	4.91660	.01000	25.00000	.05110	.02350	.08060	4.88830	4.94490
1.203	2.049	-5.47350	-0.04440	4.92610	.01000	25.00000	.04260	2.07250	2.02540	4.89640	4.95590
1.202	4.006	-5.44930	-0.04220	4.98110	.01000	25.00000	.05110	4.11890	3.89340	5.10880	4.85340
1.202	6.124	-5.42750	-0.04050	5.10200	.01000	25.00000	.05110	6.10940	6.13830	5.09930	5.10460
1.201	9.914	-5.38880	-0.03520	5.10570	.02000	25.00000	.05970	10.00300	9.82470	5.03030	5.18120
1.201	14.858	-5.33910	-0.03070	5.19500	.02000	25.00000	.05110	15.03300	14.68400	5.03770	5.35430
1.201	GRADIENT	.01254	-0.00006	.00046	-0.00000	-0.00000	-0.00043	1.00919	.99078	.01232	-0.1139

0A145 TABULATED FORCE DATA

AMES 11B-1-11 0A145A 01

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN. Y0
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. Y1
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. Z0
SCALE	=	.0500					

BETA
AILRON
SPOBRK
RN/L

.000	ELEVON =	.000
.000	BDFLAP =	-11.700
25.000	RUDDER =	.000
5.000		

PARAMETRIC DATA

GRADIENT INTERVAL = -5.00/ 5.00

RN/L = 4.94

297/0

20.
RUN

MACH

ALPHA

BETA

ELEVON

A: ILRON
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GRADIENT

GRADIENT INTERVAL = -5.00/ 5.00

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MACH

ALPHA

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051150

GRADIENT

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA
AMES 118-1-11 OAI45A 01

PAGE 1041
(CF057) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

BETA =
AILRON =
SPDBRK =
RN/L =

ELEVON = .000
BDFLAP = -11.700
RUDDER = .000

PARAMETRIC DATA

RUN NO. 288/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-08	AIL-08	ELV-08	AIL-08
.901	-5.079	-0.4480	.02120	-0.00590	-11.65200	25.00000	.06820	.01720	.00540	.01720	.00540
.901	-1.102	-0.0260	.01870	-0.00850	-11.65200	25.00000	.09370	.01720	.00030	.01720	.00030
.899	2.461	.00980	.01870	-0.00850	-11.65200	25.00000	.06820	.01720	.00030	.01720	.00030
.896	5.000	.04780	.01870	-0.00850	-11.65200	25.00000	.03410	.01720	.00030	.01720	.00030
.899	6.016	.05250	.01870	-0.00850	-11.65200	25.00000	.01700	.01720	.00030	.01720	.00030
.899	7.047	.05640	.02110	-0.01090	-11.65200	25.00000	.01700	.01720	.00470	.01720	.00470
.898	8.076	.05930	.01580	-0.00560	-11.65200	25.00000	.02560	.01150	.00030	.01150	.00030
.899	9.148	.07310	.01580	-0.00560	-11.65200	25.00000	.03410	.01150	.00030	.01150	.00030
.899	10.118	.07480	.01580	-0.00560	-11.65200	25.00000	.07670	.01570	.00030	.01570	.00030
.897	11.189	.07900	.01790	-0.00350	-11.65200	25.00000	.10230	.01720	.00030	.01720	.00030
.899	12.200	.07620	.01860	-0.01350	-11.65200	25.00000	.14490	.01720	.00980	.01720	.00980
.897	13.239	.07930	.01580	-0.00560	-11.64200	25.00000	.20450	.01150	.00030	.01150	.00030
.897	15.258	.10170	.01610	-0.01100	-11.64200	25.00000	.26420	.01720	.00480	.01720	.00480
.903	GRADIENT	.00484	.00000	.00000	.00000	.00000	-.00995	-.00000	-.00000	-.00000	-.00000

RUN NO. 282/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-08	AIL-08	ELV-08	AIL-08
.952	-5.075	-0.4520	.01290	-0.00270	-11.66200	25.00000	-.00840	.00570	.00030	.00570	.00030
.952	-1.068	-0.0300	.01750	-0.00310	-11.66200	25.00000	.00000	.01000	.00470	.01000	.00470
.950	2.467	.00960	.01290	-0.00270	-11.66200	25.00000	.04260	.00570	.00030	.00570	.00030
.946	5.034	.04800	.01290	-0.00270	-11.66200	25.00000	.00000	.00570	.00030	.00570	.00030
.949	6.022	.05160	.01000	.00010	-11.66200	25.00000	.01700	.00000	.00030	.00000	.00030
.948	7.066	.05530	.01290	-0.00270	-11.66200	25.00000	.03410	.00570	.00030	.00570	.00030
.947	8.086	.05970	.01500	-0.00060	-11.66200	25.00000	.05970	.01000	.00030	.01000	.00030
.954	9.110	.07040	.01500	-0.00560	-11.66200	25.00000	.12550	.01000	.00980	.01000	.00980
.944	10.250	.07240	.01290	-0.00270	-11.66200	25.00000	.05970	.00570	.00030	.00570	.00030
.945	11.198	.08530	.01290	-0.00270	-11.66200	25.00000	.11080	.00570	.00030	.00570	.00030
.946	12.192	.07430	.01290	-0.00270	-11.66200	25.00000	-.00840	.00570	.00030	.00570	.00030
.947	13.209	.07660	.01500	-0.00060	-11.66200	25.00000	.09200	.01000	.00030	.01000	.00030
.951	15.291	.08990	.01290	-0.00270	-11.65200	25.00000	.10040	.00570	.00030	.00570	.00030
	GRADIENT	.00497	-.00181	.00016	.00000	-.00000	.01681	-.00170	.00197	-.00170	.00166

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

PAGE 1042

AMES 118-1-11 OAI45A 01

(CF057) (18 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BOFLAP = -11.700
 SPDBRK = 25.000
 RUDDER = 5.000

GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.099	-5.095	-0.4350	.02400	.00330	-11.65200	25.00000	-.05020	.02520	.02270	.00540	.01130
1.109	.016	-.00670	.01670	.00110	-11.65200	25.00000	-.05020	.01500	.01850	-.00480	.00700
1.102	2.492	.01080	.01930	.00370	-11.65200	25.00000	-.04180	.02010	.01850	.00030	.00700
1.098	3.017	.00730	.01930	.00370	-11.65200	25.00000	-.04180	.02010	.01850	.00030	.00700
1.094	5.104	.04780	.01930	.00370	-11.65200	25.00000	-.04180	.02010	.01850	.00030	.00700
1.097	6.188	.04770	.02180	.00120	-11.65200	25.00000	-.05020	.02500	.01850	-.00470	.00700
1.100	7.104	.04700	.01930	.00370	-11.65200	25.00000	-.05860	.02010	.01420	.00030	.00280
1.099	8.134	.05220	.01720	.00150	-11.65200	25.00000	-.06690	.02010	.01850	.00030	.00700
1.098	9.148	.05980	.01930	.00370	-11.65200	25.00000	-.06690	.02010	.01850	.00030	.00700
1.096	10.202	.06550	.01930	.00370	-11.65200	25.00000	-.07530	.02010	.02270	.00030	.01130
1.097	11.192	.07660	.02140	.00580	-11.64200	25.00000	-.07530	.02010	.01850	.00030	.01280
1.097	12.240	.06460	.01640	.00650	-11.64200	25.00000	-.07530	.02010	.01850	.00030	.00700
1.097	13.301	.05800	.01930	.00370	-11.63200	25.00000	-.07530	.01500	.01420	-.00480	.00280
1.091	15.365	.07070	.01460	-.00100	-11.65200	25.00000	-.00299	.00181	.00000	.00181	-.00000
	GRADIENT	.00542	.00092	.00092	.00000	-.00000					

GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.200	-5.143	-.05330	.01930	.00370	-11.65200	25.00000	-.04180	.02010	.01850	.00030	.00700
1.200	-.059	-.00750	.01930	.00370	-11.65200	25.00000	-.05020	.02010	.01850	.00030	.00700
1.198	2.851	.00660	.01720	.00150	-11.65200	25.00000	-.05020	.02010	.01420	.00030	.00280
1.196	5.053	.04340	.01930	.00370	-11.65200	25.00000	-.05020	.02010	.01850	.00030	.00700
1.197	6.078	.04670	.01930	.00370	-11.64200	25.00000	-.04180	.02010	.01850	.00030	.00700
1.198	7.079	.04460	.01930	.00370	-11.65200	25.00000	-.05020	.02010	.01850	.00030	.00700
1.198	8.146	.05370	.01930	.00370	-11.65200	25.00000	-.05020	.02010	.01850	.00030	.00700
1.198	9.235	.05820	.01930	.00370	-11.65200	25.00000	-.05860	.02010	.01850	.00030	.00700
1.197	10.336	.06360	.01930	.00370	-11.64200	25.00000	-.06690	.01500	.01850	-.00480	.00700
1.195	11.245	.07260	.01670	.00110	-11.64200	25.00000	-.07530	.01500	.01850	-.00480	.00700
1.195	12.262	.06530	.01670	.00110	-11.64200	25.00000	-.07530	.01500	.01280	-.00480	.00700
1.197	13.283	.05410	.01390	.00400	-11.64200	25.00000	-.07530	.01500	.01850	-.00480	.00700
1.191	15.391	.06010	.01670	.00110	-11.64200	25.00000	-.07530	.00000	-.00148	-.00000	-.00144
	GRADIENT	.00485	-.00072	-.00076	.00000	-.00000					

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

PAGE 1043

AMES 118-1-11 OAI45A 01

(C2F057) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = -11.700
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 306/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
1.296	-5.118	-0.030	.0200	-.00130	-11.66200	25.00000	.04260	.02010	.02000	.00030	-.00300
1.300	-.074	-.00480	.02000	-.00130	-11.66200	25.00000	.05110	.02010	.02000	.00030	-.00300
1.296	2.498	.01500	.01540	-.00600	-11.66200	25.00000	.05110	.01500	.01570	-.00480	-.00720
1.294	5.076	.04850	.01750	-.00390	-11.66200	25.00000	.05110	.01500	.02000	-.00480	-.00300
1.295	6.134	.05100	.01750	-.00390	-11.66200	25.00000	.05970	.01500	.02000	-.00480	-.00300
1.294	7.113	.05050	.01750	-.00390	-11.66200	25.00000	.05970	.01500	.02000	-.00480	-.00300
1.295	8.165	.05920	.01750	-.00390	-11.66200	25.00000	.05970	.01500	.02000	-.00480	-.00300
1.294	9.179	.06310	.01750	-.00390	-11.66200	25.00000	.05970	.01500	.01570	-.00480	-.00720
1.294	10.237	.06930	.01540	-.00600	-11.66200	25.00000	.05970	.01500	.02000	-.00480	-.00300
1.294	11.266	.07800	.01750	-.00390	-11.66200	25.00000	.04260	.02000	.02570	-.00980	-.00870
1.294	12.303	.06830	.02280	-.00920	-11.66200	25.00000	.04260	.02000	.02000	-.00980	-.00300
1.292	13.351	.06430	.02000	-.00640	-11.66200	25.00000	.04260	.02000	.02570	-.00980	-.00870
1.290	15.414	.07200	.02280	-.00920	-11.66200	25.00000	.04260	.02000	.02570	-.00980	-.00870
	GRADIENT	.00770	-.00179	-.00183	.00000	.00000	-.00000	-.00198	-.00167	-.00198	-.00163

RUN NO. 301/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
1.401	-5.082	-.03740	.01760	.00200	-11.65200	25.00000	.00000	.02520	.01000	.00540	-.00150
1.403	-.042	-.00960	.01290	-.00270	-11.65200	25.00000	.00000	.02010	.00570	.00030	-.00570
1.400	2.597	.00440	.01290	-.00270	-11.65200	25.00000	.00000	.02010	.00570	.00030	-.00570
1.400	5.039	.04060	.01290	-.00270	-11.65200	25.00000	.00000	.01500	.00570	-.00480	-.00570
1.402	6.052	.04610	.01040	-.00530	-11.65200	25.00000	.00000	.01500	.00570	-.00480	-.00570
1.402	7.074	.04550	.01040	-.00530	-11.65200	25.00000	.00000	.01000	.00570	-.00480	-.00570
1.401	8.104	.04980	.00790	-.00280	-11.64200	25.00000	.00000	.00500	.00570	-.00500	-.00570
1.400	9.123	.05650	.00530	-.00530	-11.64200	25.00000	.00000	.00500	.00570	-.00500	-.00570
1.400	10.165	.06190	.00780	-.00530	-11.64200	25.00000	.00000	.00990	.00570	-.00990	-.00570
1.399	11.191	.06770	.01040	-.00530	-11.64200	25.00000	.00000	.01500	.00570	-.00480	-.00570
1.399	12.230	.06490	.01040	-.00530	-11.64200	25.00000	.00000	.00990	.00570	-.00480	-.00570
1.398	13.268	.05800	.00780	-.00780	-11.65200	25.00000	.00000	.00990	.00570	-.00990	-.00570
1.393	15.334	.06990	.00530	-.00530	-11.65200	25.00000	.00000	.00570	.00570	-.00500	-.00570
	GRADIENT	.00531	.00000	.00000	.00000	-.00000	.00000	-.00000	.00000	.00000	.00000

0A145 TABULATED FORCE DATA

AMES 118-1-11 OA145A 01

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	YMRP	=	1076.6800	IN.	XO
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN.	YO
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN.	ZO
SCALE	=	.0500						

PARAMETRIC DATA

BETA	=	.000	ELEVON	=	.000
AILRON	=	.000	BDFLAP	=	16.300
SPDBRK	=	25.000	RUDDER	=	.000
RN/L	=	5.000			

Iteration	BN/1	GRADIENT INTERVAL
1	4.93	-5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILIRON	BOFLAP	SPOBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.568	-5.019	-.03890	.02250	-.00380	16.31100	25.00000	-.05860	.02500	.02000	-.00470	-.00300
.568	-.051	-.00340	.02000	-.00130	16.32100	25.00000	-.04180	.02010	.02000	-.00030	-.00300
.597	2.456	.00880	.02000	-.00130	16.32100	25.00000	-.04180	.02010	.02000	.00030	.00280
.596	5.000	.04020	.01720	.00150	16.31100	25.00000	-.03350	.02010	.01420	.00030	.00850
.598	6.008	.05070	.01430	.00440	16.31100	25.00000	-.03350	.02010	.00850	.00030	.00850
.597	7.047	.05530	.01180	.00180	16.31100	25.00000	-.03350	.01500	.00850	-.00480	.00850
.598	8.082	.06110	.01180	.00180	16.31100	25.00000	-.02510	.01500	.00850	-.00480	.00850
.597	9.085	.06790	.01430	.00440	16.31100	25.00000	-.04180	.02010	.00850	.00030	.00850
.597	10.121	.07590	.01180	.00180	16.31100	25.00000	-.05020	.01500	.00850	-.00480	.00850
.598	11.160	.08090	.00710	.00220	16.31100	25.00000	-.04180	.01000	.00430	.00010	.00430
.597	12.208	.08110	.00710	.00640	16.31100	25.00000	-.04180	.01000	.01280	.00010	.01280
.597	13.160	.08560	.01140	.00400	16.31100	25.00000	-.03350	.01500	.01280	-.00480	.01280
.596	15.194	.10680	.01390	.00400	16.31100	25.00000	-.03350	.01500	.01280	-.00480	.01280
	GRADIENT	.00483	.00000	.00000	.00785	.00000	.00000	.00000	.00000	-.00000	.00000

Case	SN	SN/1	GRADIENT	INTERVAL	=	-5.00/	5.00
1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9
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11	11	11	11	11	11	11	11
12	12	12	12	12	12	12	12
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43	43	43	43	43	43	43	43
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47	47	47	47	47	47	47	47
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54	54	54	54	54	54	54	54
55	55	55	55	55	55	55	55
56	56	56	56	56	56	56	56
57	57	57	57	57	57	57	57
58	58	58	58				

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-1B	ELV-OB	AIL-1B	AIL-OB
.799	-5.064	-.03720	.01290	-.00270	16.32100	25.00000	-.02510	.02010	.00570	.00030	-.00570
.800	-.0044	-.00020	.01290	-.00270	16.32100	25.00000	-.01670	.02010	.00570	.00030	-.00570
.797	2.462	.01190	.01290	-.00270	16.32100	25.00000	-.02510	.02010	.00570	.00030	-.00570
.797	4.978	.04880	.01290	-.00270	16.32100	25.00000	-.01670	.02010	.00570	.00030	-.00570
.798	6.012	.05360	.01290	-.00270	16.32100	25.00000	-.01670	.02010	.00570	.00030	-.00570
.799	7.029	.05330	.01290	-.00270	16.32100	25.00000	-.02510	.02010	.00570	.00030	-.00570
.799	8.082	.06240	.01290	-.00270	16.32100	25.00000	-.03350	.02010	.00570	.00030	-.00570
.799	9.116	.07350	.01290	-.00270	16.32100	25.00000	-.03350	.02010	.01000	.00030	-.00150
.798	10.118	.07910	.01500	-.00060	16.32100	25.00000	-.04180	.01500	.00570	-.00480	-.00570
.800	11.150	.08080	.01040	-.00530	16.32100	25.00000	-.02510	.00990	.01150	-.00990	-.01150
.799	12.186	.07740	.01070	-.01070	16.32100	25.00000	-.02510	.02010	.00570	.00030	-.00570
.796	13.204	.08060	.01290	-.00270	16.32100	25.00000	-.03350	.01500	.00570	-.00480	-.00570
.797	15.250	.10160	.01040	-.00530	16.32100	25.00000	.00000	-.00000	.00000	-.00000	.00000
	GRADIENT	.00976	-.00000	.00000	.00000	.00000	.00000				

(C2F058) (16 JUL 77)

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = 16.300
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 289/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.901	-5.072	-.03420	.01320	-.00810	16.31100	25.00000	.06820	.01500	.01150	-.00480	-.01150
.901	-.099	-.00080	.01830	-.00810	16.32100	25.00000	-.00840	.02500	.01150	-.00470	-.01150
.899	2.472	.01090	.01830	-.00810	16.32100	25.00000	-.03350	.02500	.01150	-.00470	-.01150
.897	5.009	.04720	.02110	-.01090	16.32100	25.00000	-.04180	.02500	.01150	-.00470	-.01150
.899	6.039	.05140	.01580	-.00560	16.32100	25.00000	-.04180	.02010	.01150	.00030	-.01150
.899	7.084	.05560	.01580	-.00560	16.32100	25.00000	-.05020	.02010	.01150	.00030	-.01150
.900	8.095	.06050	.01580	-.00560	16.32100	25.00000	-.04180	.02010	.01150	.00030	-.01150
.896	9.111	.06530	.01580	-.00560	16.32100	25.00000	-.05020	.02010	.01150	.00030	-.01150
.898	10.162	.08000	.01790	-.00350	16.32100	25.00000	-.03350	.02010	.01570	.00030	-.00720
.900	11.171	.09420	.01580	-.00560	16.33100	25.00000	-.01670	.02010	.01150	.00030	-.01150
.898	12.173	.07420	.01330	-.00310	16.33100	25.00000	-.00840	.01510	.01150	.00520	-.01150
.898	13.216	.07670	.01580	-.00560	16.33100	25.00000	.01700	.02010	.01150	.00030	-.01150
.899	15.298	.09150	.01320	-.00810	16.33100	25.00000	.03410	.01500	.01150	-.00480	-.01150
	GRADIENT	.00455	.00000	.00000	.00000	.00000	-.00976	.00000	-.00000	.00000	.00000

RUN NO. 284/ 0 RN/L = 4.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.947	-5.067	-.04460	.01290	-.00270	16.32100	25.00000	.06820	.02010	.00570	.00030	-.00570
.950	-.049	-.00140	.01540	-.00520	16.32100	25.00000	.08520	.02500	.00570	-.00470	-.00570
.954	2.490	.01030	.01790	-.00260	16.32100	25.00000	.03410	.03010	.00570	.00040	-.00570
.953	5.028	.04670	.01790	-.00260	16.32100	25.00000	.00000	.02520	.00570	.00040	-.00570
.949	6.048	.05180	.01970	.00410	16.32100	25.00000	.00000	.02520	.01420	.00540	.00280
.950	7.068	.05170	.02220	.00160	16.32100	25.00000	.00000	.03010	.01420	.00040	.00280
.948	8.068	.05920	.01750	-.00310	16.32100	25.00000	.00000	.02500	.01000	-.00470	-.00150
.947	9.129	.06310	.01720	.00230	16.32100	25.00000	.01700	.03010	.00430	.00040	.00430
.947	10.186	.07890	.01760	.00200	16.32100	25.00000	.08520	.02520	.01000	.00540	-.00150
.947	11.167	.07220	.01500	-.00060	16.32100	25.00000	.13640	.02010	.01000	.00030	-.00570
.949	12.201	.06980	.01280	-.00770	16.32100	25.00000	.10230	.02000	.00570	-.00980	-.00570
.948	13.233	.07330	.01290	-.00270	16.32100	25.00000	.06820	.02010	.00570	.00030	-.00570
.951	15.300	.08800	.01290	-.00270	16.32100	25.00000	.05110	.02010	.00570	.00030	-.00570
	GRADIENT	.00461	.00098	.00102	.00000	.00000	-.02013	.00201	.00000	.00201	.00000

(C2F058) (16 JUL 77)

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REFERENCE DATA

XSREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN. X0	BETA	=	.000	ELEVON	=	.000
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. Y0	ALTRON	=	.000	BDFLAP	=	16.300
BRCF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. Z0	SDBRK	=	25.000	RUDDER	=	.000
SCALE	=	.0500						RN/L	=	5.000			

BIN NO	316/ 0	BN/1	=	5.04	GRADIENT INTERVAL	=	-5.00/	5.00
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MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.103	-5.098	-0.3570	.01930	.00370	16.32100	25.00000	-.06590	.02010	.01850	.00030	.00700
1.107	-.091	-.00950	.01930	.00370	16.32100	25.00000	-.06590	.02010	.01850	.00030	.00700
1.096	2.766	.00630	.01930	.00370	16.32100	25.00000	-.07530	.02010	.01850	.00030	.00700
1.095	5.030	.04220	.01930	.00370	16.32100	25.00000	-.06690	.02010	.01850	.00030	.00700
1.099	6.091	.04510	.01930	.00370	16.32100	25.00000	-.06690	.02010	.01850	.00030	.00700
1.098	7.179	.04990	.01930	.00370	16.32100	25.00000	-.07530	.02010	.01850	.00030	.00700
1.097	8.147	.05330	.01720	.00150	16.32100	25.00000	-.07530	.02010	.01420	.00030	.00280
1.097	9.172	.05760	.01670	.00110	16.32100	25.00000	-.08370	.02010	.01850	.00030	.00700
1.093	10.209	.06550	.01930	.00370	16.32100	25.00000	-.08370	.02010	.01850	.00030	.00700
1.098	11.262	.06370	.01460	-.00100	16.32100	25.00000	-.08370	.01500	.01420	-.00480	.00280
1.098	12.315	.05890	.01670	.00110	16.32100	25.00000	-.08370	.01500	.01850	-.00480	.00700
1.096	13.391	.05010	.01670	.00110	16.32100	25.00000	-.09200	.01500	.01850	-.00480	.00700
1.092	15.350	.06780	.01390	.00400	16.32100	25.00000	-.09200	.01500	.01280	-.00480	.00700
1.092	16.350	.06518	.00000	.00000	.00350	.00000	-.00294	.00000	-.00000	.00000	.00000

Q1W NO	313/ 0	RN/1	= 5.16	GRADIENT INTERVAL	= -5.00/ 5.00
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DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

AMES 118-1-11 OAI45A 01

PAGE 1047

(C2F058) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BOFLAP = 16.300
 SPDBRK = .000 RUDDER = .000
 RN/L = 5.000

RUN NO. 307/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
1.299	-5.093	-.03920	.02540	-.00670	16.31100	25.00000	.04260	.02570	-.00470	-.00870
1.299	-.042	-.00110	.01610	-.01100	16.31100	25.00000	.04260	.01720	-.00480	-.01720
1.295	2.532	.01710	.01570	-.01060	16.31100	25.00000	.05110	.01150	-.00980	-.01150
1.293	5.066	.04860	.01540	-.00600	16.31100	25.00000	.05110	.01570	-.00480	-.00720
1.294	6.082	.04960	.01820	-.00890	16.31100	25.00000	.05970	.02150	-.00480	-.01300
1.294	7.142	.05500	.01820	-.00890	16.32100	25.00000	.05970	.02150	-.00480	-.01300
1.294	8.128	.05790	.01540	-.00600	16.32100	25.00000	.05970	.01570	-.00480	-.00720
1.294	9.137	.06210	.02070	-.01140	16.32100	25.00000	.05970	.02150	-.00980	-.01300
1.294	10.240	.06800	.01570	-.01060	16.32100	25.00000	.05970	.01150	-.00480	-.01150
1.293	11.244	.07900	.01610	-.01100	16.32100	25.00000	.05970	.01720	-.00980	-.01720
1.293	12.279	.06210	.01860	-.01350	16.32100	25.00000	.05970	.01720	-.00980	-.01720
1.292	13.354	.05390	.01850	-.01350	16.32100	25.00000	.05110	.02150	-.00980	-.01300
1.288	15.409	.07730	.02070	-.01140	16.31100	25.00000	.05110	.02150	-.00980	-.01300
	GRADIENT	.00707	-.00016	.00016	.00000	-.00000	.00330	-.00221	-.00194	.00221

RUN NO. 302/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
1.402	-5.071	-.05040	.01510	.00440	16.31100	25.00000	-.05020	.01000	.01030	-.00150
1.403	-.039	-.00630	.00280	-.01280	16.31100	25.00000	.08520	-.01450	.00030	-.02590
1.400	2.490	.00720	.01260	.00190	16.31100	25.00000	.03410	.01000	.00520	-.00150
1.398	5.030	.04360	.01470	.00400	16.31100	25.00000	.03410	.01420	.00520	.00280
1.400	6.065	.04690	.01210	.00150	16.31100	25.00000	.03410	.01420	.00010	.00280
1.399	7.067	.04400	.01470	.00400	16.32100	25.00000	.04260	.01000	.00520	.00280
1.399	8.113	.04870	.01000	-.00070	16.32100	25.00000	.04260	.01000	.00010	-.00150
1.398	9.153	.05620	.01000	-.00070	16.32100	25.00000	.04260	.01000	.00010	-.00150
1.398	10.176	.06290	.01260	.00190	16.32100	25.00000	.03410	.01000	.00520	-.00150
1.397	11.212	.06270	.01000	-.00070	16.31100	25.00000	.03410	.01000	.00010	-.00150
1.396	12.268	.05670	.01000	-.00070	16.31100	25.00000	.03410	.01000	.00010	-.00150
1.392	13.306	.04600	.00990	-.00570	16.31100	25.00000	.01700	.01000	-.00990	-.00150
1.387	15.338	.05290	.00750	-.00320	16.30100	25.00000	.00000	.01000	-.00500	-.00150
	GRADIENT	.00534	.00388	.00581	.00000	-.00000	-.02021	.00969	.00194	.00965

OAI45 TABULATED FORCE DATA

AMES 118-1-11 OAI45A 01

DATE 10 MAR 80

(C2F059) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = 22.500
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 299/ 0 RN/L = 4.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.598	-5.030	-.03960	.01460	-.00100	22.51500	25.00000	-.05860	.01500	.01420	-.00480	.00280
.598	-.067	-.00300	.01460	-.00100	22.51500	25.00000	-.07530	.01500	.01420	-.00480	.00280
.597	2.488	.00910	.01460	-.00100	22.51500	25.00000	-.05020	.01500	.01420	-.00480	.00280
.595	4.989	.04170	.01460	-.00100	22.51500	25.00000	-.05020	.01500	.01420	-.00480	.00280
.597	5.997	.05030	.01460	-.00100	22.51500	25.00000	-.04180	.01500	.01420	-.00480	.00280
.597	7.038	.05470	.01460	-.00100	22.51500	25.00000	-.04180	.01500	.01420	-.00480	.00280
.598	8.067	.06030	.00960	-.00030	22.51500	25.00000	-.05020	.01500	.01000	-.00480	.00430
.598	9.073	.06690	.00990	-.00570	22.51500	25.00000	-.05860	.01500	.01000	-.00480	-.00150
.597	10.111	.07550	.01250	-.00310	22.51500	25.00000	-.03350	.01500	.01420	-.00990	.00280
.597	11.121	.08190	.01210	-.00360	22.52500	25.00000	-.03350	.00500	.00850	-.00500	.00850
.597	12.152	.08278	.00670	-.00180	22.50500	25.00000	-.05020	.01000	.00850	-.00010	.00850
.597	13.162	.08560	.00930	.00430	22.50500	25.00000	-.02510	.00990	.00850	-.00990	.00850
.597	15.210	.10620	.00920	-.00070	22.50500	25.00000	.00498	.00000	.00000	.00000	.00000
.597	GRADIENT	.00883	.00000	.00000	-.00000	.00000					

RUN NO. 293/ 0 RN/L = 4.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.799	-5.060	-.03870	.01040	-.00530	22.51500	25.00000	-.02510	.01500	.00570	-.00480	.00570
.801	-.065	.00020	.01040	-.00530	22.51500	25.00000	-.05020	.01500	.00570	-.00480	.00570
.799	2.448	.01220	.01040	-.00530	22.51500	25.00000	-.05020	.01500	.00570	-.00480	.00570
.796	4.974	.05020	.01040	-.00530	22.51500	25.00000	-.04180	.01500	.00570	-.00480	.00570
.798	6.014	.05310	.01040	-.00530	22.51500	25.00000	-.05020	.01500	.01000	-.00480	.00150
.800	7.023	.05690	.01250	-.00310	22.51500	25.00000	-.05020	.01500	.00570	-.00480	.00570
.799	8.078	.06200	.01040	-.00530	22.51500	25.00000	-.04180	.01500	.00570	-.00480	.00570
.800	9.113	.06820	.01040	-.00530	22.51500	25.00000	-.03350	.01500	.00570	-.00480	.00570
.797	10.111	.07550	.01040	-.00530	22.51500	25.00000	-.03350	.01500	.01000	-.00480	.00150
.797	11.158	.08010	.01250	-.00310	22.51500	25.00000	-.04180	.01500	.00570	-.00480	.00570
.797	12.158	.08380	.01040	-.00530	22.51500	25.00000	-.03350	.01500	.00570	-.00480	.00570
.798	13.200	.08660	.00780	-.00780	22.50500	25.00000	-.04180	.00990	.00570	-.00990	.00570
.800	15.245	.10060	.01000	-.00070	22.50500	25.00000	-.03350	.01000	.01000	-.00010	.00150
.800	GRADIENT	.00993	.00000	.00000	-.00000	.00000	.00167	-.00000	.00000	.00000	.00000

OAI145 TABULATED FORCE DATA

AMES 118-1-11 OAI145A 01

DATE 10 MAR 80

(C2F058) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = 22.500
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 290/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-OB	AIL-OB	AIL-IB	AIL-OB
.901	-5.069	-.04410	.01580	-.00560	22.53600	25.00000	-.02510	.01150	.00030	.00030	-.01150
.900	-.082	.00070	.01580	-.00560	22.53600	25.00000	-.02510	.01150	.00030	.00030	-.01150
.898	2.489	.01230	.01330	-.00310	22.53600	25.00000	-.05020	.01150	.00030	.00030	-.01150
.901	5.002	.04780	.01580	-.00560	22.53600	25.00000	-.05020	.01150	.00030	.00030	-.01150
.897	6.008	.05190	.01580	-.00560	22.53600	25.00000	-.04180	.01150	.00030	.00030	-.01150
.900	7.057	.05580	.01580	-.00560	22.53600	25.00000	-.05020	.01150	.00030	.00030	-.01150
.898	8.069	.06060	.01830	-.00810	22.53600	25.00000	-.05020	.01150	.00030	.00030	-.01150
.898	9.138	.07150	.01580	-.00560	22.53600	25.00000	-.03350	.01150	.00030	.00030	-.01150
.897	10.130	.07090	.01040	-.00530	22.53600	25.00000	-.02510	.01150	.00030	.00030	-.01150
.896	11.160	.07520	.01320	-.00810	22.53600	25.00000	-.01670	.01150	.00030	.00030	-.01150
.899	12.185	.07310	.01320	-.00810	22.53600	25.00000	-.04180	.01150	.00030	.00030	-.01150
.897	13.204	.07520	.01610	-.01100	22.53600	25.00000	-.00000	.01150	.00030	.00030	-.01150
.900	15.284	.09040	.01320	-.00810	22.52500	25.00000	-.00976	.00000	.00000	.00000	-.00000
.901	GRADIENT	.00451	-.00097	.00097	-.00000	-.00000	-.00976	-.00194	-.00191	-.00191	-.00000

RUN NO. 285/ 0 RN/L = 4.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-OB	AIL-OB	AIL-IB	AIL-OB
.951	-5.062	-.04310	.01290	-.00270	22.50500	25.00000	.02560	.00570	.00030	.00030	-.00570
.953	-.046	.00140	.01580	-.00560	22.50500	25.00000	.03410	.01150	.00030	.00030	-.01150
.950	2.487	.01060	.01580	-.00560	22.50500	25.00000	-.00840	.01150	.00030	.00030	-.01150
.953	5.047	.04810	.02290	-.00340	22.50500	25.00000	-.03350	.01570	.00040	.00040	-.00720
.952	6.020	.05090	.01550	-.00020	22.50500	25.00000	.00000	.00570	.00540	.00540	-.00570
.948	7.062	.05420	.01550	-.00020	22.50500	25.00000	.00000	.00570	.00540	.00540	-.00570
.954	8.076	.05870	.01550	-.00020	22.51500	25.00000	.00000	.00570	.00540	.00540	-.00570
.954	10.179	.06790	.01820	-.00890	22.50500	25.00000	.00000	.02150	.00480	.00480	-.01300
.950	11.198	.08200	.01610	-.01100	22.50500	25.00000	-.05860	.01720	.00480	.00480	-.01150
.950	12.210	.07030	.01320	-.00810	22.50500	25.00000	-.01670	.01150	.00480	.00480	-.01300
.952	13.225	.07260	.01820	-.00890	22.50500	25.00000	-.05020	.02150	.00480	.00480	-.01300
.952	15.298	.08250	.01320	-.00810	22.50500	25.00000	-.08370	.01150	.00480	.00480	-.01150
.951	GRADIENT	.00474	.00000	.00000	.00000	.00000	-.01678	.00000	.00000	.00000	-.00000

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

AMES 118-1-11 OAI45A 01

(C2F059) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

BETA =
 AILRON =
 SPDBRK =
 RN/L =

ELEVON = .000
 BDFLAP = 22.500
 RUDDER = .000

PARAMETRIC DATA

RUN NO. 317/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-08	AIL-18	AIL-08
1.103	-5.140	-.05200	.01930	.00370	22.44500	25.00000	-.08370	.01850	.00030	.00700
1.107	-.050	-.00450	.01930	.00370	22.45500	25.00000	-.08370	.01850	.00030	.00700
1.094	2.518	.00720	.01930	.00370	22.45500	25.00000	-.08370	.01850	.00030	.00700
1.095	5.049	.04670	.01930	.00370	22.45500	25.00000	-.08370	.01850	.00030	.00700
1.098	6.069	.04770	.01720	.00150	22.45500	25.00000	-.07530	.01420	.00030	.00280
1.098	7.146	.05130	.01930	.00370	22.45500	25.00000	-.08370	.01420	.00030	.00700
1.097	8.122	.05400	.01720	.00150	22.45500	25.00000	-.09200	.01850	.00480	.00700
1.097	9.137	.05750	.01670	.00110	22.45500	25.00000	-.09200	.01850	.00480	.00700
1.095	10.242	.06320	.01670	.00180	22.45500	25.00000	-.10040	.01850	.00480	.00700
1.096	11.215	.07360	.01670	.00110	22.45500	25.00000	-.10040	.01850	.00480	.00700
1.097	12.268	.05860	.01390	.00400	22.44500	25.00000	-.10040	.01280	.00480	.01280
1.098	13.284	.05000	.01250	.00310	22.44500	25.00000	-.10040	.01000	.00480	.00150
1.092	15.358	.05140	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
	GRADIENT	.00456	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 311/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-08	AIL-18	AIL-08
1.202	-5.109	-.04440	.02260	.00040	22.42400	25.00000	.07670	.03000	.00520	.00450
1.207	-.018	.00210	.01820	-.00890	22.42400	25.00000	.07670	.02150	.00480	.01300
1.199	2.494	.01930	.01820	-.00890	22.43400	25.00000	.07670	.01570	.00480	.00720
1.195	5.038	.04990	.01540	-.00600	22.43400	25.00000	.07670	.02150	.00480	.01300
1.197	6.068	.05040	.01820	-.00600	22.42400	25.00000	.08520	.01570	.00480	.00720
1.201	7.101	.05440	.01540	-.00600	22.42400	25.00000	.08520	.02570	.00480	.00870
1.199	8.155	.05570	.02040	-.00680	22.42400	25.00000	.08520	.02570	.00480	.00870
1.197	9.187	.06390	.02040	-.00680	22.42400	25.00000	.08520	.02570	.00480	.00870
1.198	10.198	.07520	.02040	-.00680	22.42400	25.00000	.08520	.02570	.00480	.00870
1.200	11.226	.07000	.02040	-.00680	22.42400	25.00000	.08520	.02570	.00480	.00870
1.197	12.301	.05990	.02040	-.00600	22.42400	25.00000	.08520	.01570	.00480	.00720
1.197	13.302	.05360	.01540	-.00600	22.42400	25.00000	.08520	.02000	.00990	.00300
1.196	15.433	.05650	.01490	-.00640	22.42400	25.00000	.08520	.00000	.00000	.00000
1.194	GRADIENT	.00685	.00000	.00000	.00398	.00000	.00000	.00000	.00000	.00000

0A145 TABULATED FORCE DATA

DATE 10 MAR 80

AMES 118-1-11 0A145A 01

(C2F059) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = 22.500
 SPOBRK = 25.000
 RN/L = 5.000 RUDDER = .000

RUN NO. 308/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
1.298	-5.083	-.04570	.02330	-.00880	22.38400	25.00000	.04260	.02500	.02150	-.00470	-.01300
1.305	-.037	.00170	.01350	-.01850	22.37400	25.00000	.04260	.02000	.00710	-.00980	-.02730
1.297	2.522	.01750	.01860	-.01350	22.37400	25.00000	.05110	.02000	.01720	-.00980	-.01720
1.293	5.089	.04980	.01860	-.01350	22.37400	25.00000	.04260	.02000	.01720	-.00980	-.01720
1.294	6.101	.04870	.01860	-.01350	22.37400	25.00000	.05110	.02000	.01720	-.00980	-.01720
1.294	7.159	.05520	.01860	-.01350	22.37400	25.00000	.05110	.02000	.01720	-.00980	-.01720
1.295	8.166	.05710	.01610	-.01100	22.37400	25.00000	.05110	.02000	.01720	-.00980	-.01720
1.294	9.186	.06200	.01860	-.01350	22.37400	25.00000	.05110	.02000	.01720	-.00980	-.01720
1.294	10.218	.06920	.01860	-.01350	22.37400	25.00000	.05110	.02000	.02300	-.00480	-.02300
1.293	11.275	.06760	.01900	-.01390	22.37400	25.00000	.04260	.02000	.02300	-.00980	-.02300
1.293	12.316	.06400	.02150	-.01640	22.37400	25.00000	.04260	.02000	.01720	-.00980	-.01720
1.293	13.324	.05530	.01860	-.01350	22.37400	25.00000	.04260	.02000	.02300	-.00980	-.02300
1.291	15.371	.07480	.02150	-.01640	22.36400	25.00000	.04260	.02000	.00395	-.00000	-.00395
	GRADIENT	.00618	.00199	.00195	.00000	.00000	.00332	.00000			

RUN NO. 303/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
1.404	-5.086	-.02850	.01470	.00400	22.36400	25.00000	.00000	.01510	.01420	.00520	.00280
1.409	-.045	-.00580	.01000	-.00070	22.36400	25.00000	.00000	.01000	.01000	.00010	-.00150
1.405	2.526	.01230	.01000	-.00070	22.36400	25.00000	.00000	.01000	.01000	.00010	-.00150
1.400	5.035	.04270	.01000	-.00070	22.35300	25.00000	.00000	.01000	.01000	.00010	-.00150
1.400	6.054	.04420	.01000	-.00070	22.35300	25.00000	.00000	.01000	.01000	.00010	-.00150
1.400	7.076	.04570	.00750	-.00320	22.35300	25.00000	.00000	.00500	.01000	-.00500	-.00150
1.400	8.114	.04880	.00750	-.00320	22.35300	25.00000	.00000	.00500	.01000	-.00500	-.00150
1.399	9.154	.05550	.00530	-.00530	22.35300	25.00000	.00000	.00500	.00570	-.00500	-.00570
1.398	10.154	.06610	.00530	-.00530	22.35300	25.00000	.00000	.00500	.01000	-.00500	-.00150
1.397	11.202	.06410	.00750	-.00320	22.35300	25.00000	.00000	.00500	.01000	-.00500	-.00150
1.393	12.303	.05700	.00750	-.00320	22.35300	25.00000	.00000	.00500	.01000	-.00500	-.00150
1.392	13.296	.05950	.00750	-.00320	22.34300	25.00000	.00000	.00500	.00570	-.00500	-.00150
1.386	15.336	.06380	.00530	-.00530	22.34300	25.00000	.00000	.00500	.00570	-.00500	-.00150
	GRADIENT	.00704	.00000	.00000	-.00000	.00000	.00000	.00000			

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

(C2F060) (16 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 296/ 0 RN/L = 4.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BOFLAP	ALPHA	BETA	ELEVON	AILRON	SPOBRK	RUDDER	ELV-IB	AIL-IB	ELV-OB	AIL-OB
.598	-11.642	4.98650	.03720	.01180	.00180	25.00000	.17040	.01500	-.00480	.00850	.00850
.599	-7.950	5.00330	.03730	.01180	.00180	25.00000	-.01670	.01500	-.00480	.00850	.00850
.599	-5.940	5.00550	.03690	.01460	-.00100	25.00000	-.00840	.01500	-.00480	.00850	.00850
.599	-3.931	5.00860	.03700	.01180	.00180	25.00000	-.00840	.01500	-.00480	.00850	.00850
.599	-1.950	5.01210	.03710	.01180	.00180	25.00000	-.01670	.01500	-.00480	.00850	.00850
.599	.020	5.01520	.03690	.01180	.00180	25.00000	-.00840	.01500	-.00480	.00850	.00850
.599	1.990	5.01920	.03710	.01180	.00180	25.00000	-.01670	.01500	-.00480	.00850	.00850
.599	4.020	5.02240	.03710	.01180	.00180	25.00000	-.00840	.01500	-.00480	.00850	.00850
.599	5.980	5.02690	.03690	.00920	-.00070	25.00000	-.02510	.00990	-.00990	.00850	.00850
.599	7.970	5.03100	.03690	.00920	-.00070	25.00000	-.01670	.00990	-.00990	.00850	.00850
.599	12.030	5.04000	.03670	.00920	-.00070	25.00000	-.00000	.00990	-.00990	.00850	.00850
.598	16.311	5.05040	.03650	.00920	-.00070	25.00000	-.01670	.00990	-.00990	.00850	.00850
.598	22.505	5.06870	.03650	.00920	-.00070	25.00000	-.01670	.00990	-.00990	.00850	.00850
.598	GRADIENT	.00175	.00001	.00000	-.00000	-.00000	-.00084	-.00000	.00000	-.00000	-.00000

RUN NO. 294/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BOFLAP	ALPHA	BETA	ELEVON	AILRON	SPOBRK	RUDDER	ELV-IB	AIL-IB	ELV-OB	AIL-OB
.800	-11.662	4.98490	.04000	.01290	-.00270	25.00000	-.03350	.02010	.00030	.00570	-.00570
.800	-7.950	4.99010	.03990	.01290	-.00270	25.00000	-.03350	.02010	.00030	.00570	-.00570
.800	-5.930	4.99400	.03990	.01290	-.00270	25.00000	-.02510	.02010	.00030	.00570	-.00570
.800	-3.940	4.99890	.03970	.01290	-.00270	25.00000	-.03350	.02010	.00030	.00570	-.00570
.799	-1.970	5.00270	.03950	.01540	-.00520	25.00000	-.02510	.02500	-.00470	.00570	-.00570
.800	.010	5.00670	.03960	.01290	-.00270	25.00000	-.03350	.02010	.00030	.00570	-.00570
.799	1.990	5.01230	.03930	.01040	-.00020	25.00000	-.02510	.01510	.00520	.00570	-.00570
.800	4.000	5.01700	.03940	.01040	-.00020	25.00000	-.01670	.01510	.00520	.00570	-.00570
.800	6.010	5.02250	.03920	.01290	-.00270	25.00000	-.00840	.02010	.00030	.00570	-.00570
.800	7.960	5.02700	.03900	.01290	-.00270	25.00000	-.00840	.02010	.00030	.00570	-.00570
.799	12.019	5.03950	.03870	.01290	-.00270	25.00000	-.00840	.02010	.00030	.00570	-.00570
.800	16.301	5.05420	.03850	.01290	-.00270	25.00000	-.01670	.02010	.00030	.00570	-.00570
.799	22.525	5.07540	.03870	.01290	-.00270	25.00000	-.01670	.02010	.00030	.00570	-.00570
.799	GRADIENT	.00231	-.00004	-.00050	.00050	.00000	.00170	-.00100	.00099	-.00000	.00000

(CEFO80) (16 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 287/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ALPHA	BETA	ELEVON	AILRON	SPDBRK	RUDDER	ELV-1B	ELV-OB	AIL-1B	AIL-OB
.900	-11.652	4.94990	.04420	.01870	-.00850	25.00000	.00000	.02010	.01720	.00030	-.01720
.901	-7.940	4.95390	.04400	.01870	-.00850	25.00000	.00000	.02010	.01720	.00030	-.01720
.900	-5.940	4.95610	.04400	.01870	-.00850	25.00000	.00000	.02010	.01720	.00030	-.01720
.901	-3.940	4.95870	.04410	.01870	-.00850	25.00000	.00850	.02010	.01720	.00030	-.01720
.900	-1.960	4.96010	.04370	.01610	-.01100	25.00000	.00000	.01500	.01720	-.00480	-.01720
.901	.020	4.98240	.04350	.01610	-.01100	25.00000	.00000	.01500	.01720	-.00480	-.01720
.900	1.990	4.98330	.04340	.01610	-.00850	25.00000	.00850	.02010	.01720	.00030	-.01720
.900	4.000	4.98830	.04320	.01870	-.00850	25.00000	.00850	.02010	.01720	.00030	-.01720
.901	6.000	4.99270	.04310	.01870	-.00850	25.00000	.00850	.02010	.01720	.00030	-.01720
.900	7.970	4.99510	.04300	.01870	-.00850	25.00000	.00000	.02010	.01720	.00030	-.01720
.900	12.030	5.00280	.04300	.01870	-.00850	25.00000	.00000	.01500	.01720	-.00480	-.01720
.899	16.311	5.01360	.04290	.01610	-.01100	25.00000	.00000	.02010	.01720	.00030	-.01720
.901	22.505	5.02960	.04290	.01870	-.00850	25.00000	.00000	.02010	.01720	.00030	-.01720
	GRADIENT	.00415	-.00011	.00000	.00000	.00000	.00085	.00000	.00000	.00000	-.00000

RUN NO. 286/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ALPHA	BETA	ELEVON	AILRON	SPDBRK	RUDDER	ELV-1B	ELV-OB	AIL-1B	AIL-OB
.951	-11.662	5.00910	.04330	.02290	-.00420	25.00000	-.04180	.02010	.02570	.00030	-.00870
.952	-7.940	5.01140	.04340	.02290	-.00420	25.00000	-.05860	.02010	.02570	.00030	-.00870
.953	-5.930	5.01360	.04340	.02290	-.00420	25.00000	-.05860	.02010	.02570	.00030	-.00870
.950	-3.950	5.02470	.04270	.02290	-.00420	25.00000	-.05020	.02010	.02570	.00030	-.00870
.951	-1.970	5.02810	.04290	.02290	-.00420	25.00000	-.05860	.02010	.02570	.00030	-.00870
.951	.030	5.02960	.04260	.02290	-.00420	25.00000	-.05020	.02010	.02570	.00030	-.00870
.950	1.980	5.02980	.04280	.02580	-.00710	25.00000	.17900	.02010	.03150	.00030	-.01450
.951	4.000	5.03520	.04230	.02580	-.00710	25.00000	.20450	.02010	.03150	.00030	-.01450
.951	5.990	5.03880	.04250	.02330	-.00460	25.00000	.02560	.01510	.03150	.00520	-.01450
.950	7.960	5.04040	.04260	.02330	-.00460	25.00000	.02560	.02010	.03150	.00030	-.01450
.949	12.030	5.04570	.04240	.02580	-.00710	25.00000	.01700	.02010	.03150	.00030	-.01450
.950	16.321	5.05390	.04280	.02320	-.00960	25.00000	.01700	.01500	.03150	-.00480	-.01450
.950	22.505	5.06040	.04330	.02580	-.00710	25.00000	.02560	.02010	.03150	.00030	-.01450
	GRADIENT	.00115	-.00005	.00044	-.00044	.00000	.03757	.00000	.00087	.00000	-.00087

0A145 TABULATED FORCE DATA

DATE 10 MAR 80

(C2F050) (16 JUL 77)

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 318/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BOFLAP	ALPHA	BETA	ELEVON	AILRON	SPDBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.101	-11.662	5.03720	.04240	.01930	.00370	25.00000	-.07530	.02010	.01850	.00030	.00700
1.101	-7.950	5.03940	.04260	.01930	.00370	25.00000	-.07530	.02010	.01850	.00030	.00700
1.102	-5.920	5.04120	.04220	.01930	.00370	25.00000	-.07530	.02010	.01850	.00030	.00700
1.101	-3.931	5.04300	.04250	.01930	.00370	25.00000	-.07530	.02010	.01850	.00030	.00700
1.102	-1.950	5.04540	.04230	.01930	.00370	25.00000	-.07530	.02010	.01850	.00030	.00700
1.100	.010	5.04800	.04220	.01930	.00370	25.00000	-.07530	.02010	.01850	.00030	.00700
1.100	1.990	5.05050	.04240	.01930	.00370	25.00000	-.07530	.02010	.01850	.00030	.00700
1.101	3.990	5.05230	.04250	.01930	.00370	25.00000	-.06690	.02010	.01850	.00030	.00700
1.100	6.020	5.05520	.04230	.01930	.00370	25.00000	-.06690	.02010	.01850	.00030	.00700
1.100	7.960	5.05820	.04250	.01930	.00370	25.00000	-.06690	.02010	.01850	.00030	.00700
1.099	12.040	5.06480	.04240	.01930	.00370	25.00000	-.06690	.02010	.01850	.00030	.00700
1.101	16.321	5.07200	.04260	.01930	.00370	25.00000	-.06690	.02010	.01850	.00030	.00700
1.101	22.394	5.08210	.04220	.01670	.00110	25.00000	-.07530	.01500	.01850	-.00480	.00700
1.098	GRADIENT	00120	.00001	.00000	-.00000	-.00000	.00000	.00000	.00000	-.00000	.00000

RUN NO. 310/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BOFLAP	ALPHA	BETA	ELEVON	AILRON	SPDBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.202	-11.662	5.08740	.04440	.02320	-.00980	25.00000	.06820	.01900	.03100	.00480	-.01450
1.201	-7.950	5.09190	.04450	.02040	-.00680	25.00000	.06820	.01500	.02570	-.00480	-.00870
1.202	-5.940	5.09330	.04470	.02040	-.00680	25.00000	.06820	.01500	.02570	-.00480	-.00870
1.201	-3.950	5.09610	.04480	.02040	-.00680	25.00000	.07670	.01500	.02570	-.00480	-.00870
1.201	-1.950	5.09840	.04460	.02040	-.00680	25.00000	.07670	.01500	.02570	-.00480	-.00870
1.199	.010	5.10190	.04480	.02040	-.00680	25.00000	.07670	.01500	.02150	.00030	-.01300
1.201	1.990	5.10210	.04490	.02080	-.00630	25.00000	.07670	.02010	.02150	.00030	-.01300
1.201	4.010	5.10360	.04500	.02080	-.00630	25.00000	.07670	.02010	.02150	.00030	-.01300
1.201	6.020	5.10630	.04480	.02080	-.00630	25.00000	.07670	.01500	.02150	-.00480	-.01300
1.202	7.980	5.10790	.04500	.01820	-.00890	25.00000	.07670	.01500	.02000	-.00480	-.00300
1.199	12.030	5.11700	.04540	.01750	-.00390	25.00000	.07670	.01500	.02570	.00030	-.00870
1.201	16.321	5.12070	.04550	.02290	-.00420	25.00000	.07670	.01500	.02570	-.00480	-.00870
1.201	22.374	5.13080	.04560	.02040	-.00680	25.00000	.07670	.01500	.02570	-.00480	-.00870
1.200	GRADIENT	00094	.00004	.00006	.00008	.00000	-.00000	.00077	-.00063	.00077	-.00065

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(C2F080, (18 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

YMRP = 1076.6800 IN. XO
 ZMRP = .0000 IN. YO
 = 375.0000 IN. ZO

ALPHA =
 ELEVON =
 SPOBRK =
 RU/L =

BETA =
 AILRON =
 RUDDER =

5.000
 .000
 25.000
 5.000

.000

.000

.000

PARAMETRIC DATA

RUN NO. 309/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ALPHA	BETA	ELEVON	AILRON	SPOBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.298	-11.652	5.04790	.04380	.02150	-.01640	25.00000	.05110	.02000	.02300	-.00980	-.02300
1.298	-7.950	5.05060	.04360	.03010	-.02500	25.00000	.05110	.02000	.04020	-.00980	-.04020
1.297	-5.920	5.05230	.04380	.03010	-.02500	25.00000	.05970	.02000	.04020	-.00980	-.04020
1.297	-3.940	5.05200	.04390	.03010	-.02500	25.00000	.05110	.02000	.04020	-.00980	-.04020
1.297	-1.940	5.05270	.04420	.03010	-.02500	25.00000	.05970	.02000	.04020	-.00980	-.04020
1.297	.010	5.05470	.04410	.02720	-.02210	25.00000	.05970	.02000	.03450	-.00980	-.03450
1.298	1.990	5.05610	.04410	.02720	-.02210	25.00000	.05970	.02000	.03450	-.00980	-.03450
1.297	4.010	5.05920	.04420	.02150	-.01640	25.00000	.05970	.02000	.02300	-.00980	-.02300
1.297	5.980	5.06080	.04430	.02150	-.01640	25.00000	.05970	.02000	.02300	-.00980	-.02300
1.298	7.970	5.06290	.04420	.02150	-.01640	25.00000	.05970	.02000	.02300	-.00980	-.02300
1.297	12.030	5.06730	.04440	.02150	-.01640	25.00000	.05970	.02000	.02300	-.00980	-.02300
1.298	16.311	5.07200	.04430	.02150	-.01640	25.00000	.05970	.02000	.02300	-.00980	-.02300
1.297	22.364	5.08040	.04430	.01890	-.01890	25.00000	.05970	.02000	.01790	-.00980	-.02800
1.297	GRADIENT	.00090	.00003	-.00044	.00044	.00000	.00043	.00000	-.00086	-.00000	.00086

RUN NO. 304/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ALPHA	BETA	ELEVON	AILRON	SPOBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.405	-11.672	5.01570	.03840	.01250	-.00310	25.00000	.00000	.01500	.01000	-.00480	-.00150
1.404	-7.940	5.01980	.03830	.01250	-.00310	25.00000	.00000	.01500	.01000	-.00480	-.00150
1.404	-5.940	5.02250	.03830	.01250	-.00310	25.00000	.00840	.01000	.01000	.00010	-.00150
1.404	-3.921	5.03050	.03810	.01000	-.00070	25.00000	.00000	.01000	.01000	.00010	-.00150
1.403	-1.950	5.03400	.03760	.01000	-.00070	25.00000	.00000	.01000	.01000	.00010	-.00150
1.404	.020	5.03730	.03780	.01000	-.00070	25.00000	.00840	.01000	.01000	.00010	-.00150
1.404	1.990	5.03720	.03800	.01000	-.00070	25.00000	.00000	.01000	.01000	.00010	-.00150
1.403	4.000	5.04010	.03810	.01000	-.00070	25.00000	.00000	.01000	.01000	.00010	-.00150
1.403	5.990	5.04180	.03800	.01000	-.00070	25.00000	.00000	.01000	.01000	.00010	-.00150
1.404	7.950	5.04310	.03770	.00750	-.00320	25.00000	.00000	.00500	.01000	-.00500	-.00150
1.403	12.040	5.05010	.03790	.00530	-.00530	25.00000	.00840	.00500	.00570	-.00500	-.00570
1.403	16.311	5.05490	.03770	.00780	-.00780	25.00000	.00000	.00900	.00570	-.00900	-.00570
1.403	22.313	5.06130	.03760	.00530	-.00530	25.00000	.00000	.00500	.00570	-.00500	-.00570
1.403	GRADIENT	.00113	.00002	.00000	-.00000	.00000	.00043	.00000	.00000	.00000	.00000

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

(CEF061) (16 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPDBRK = .000
 RN/L = 5.000

RUN NO. 329/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-08	AIL-1B	AIL-08
.598	-15.355	-.02440	.01200	.01580	-.00560	.01000	25.00000	.01150	.00030	-.01150
.598	-10.291	-.02430	.00760	.01580	-.00560	.03000	25.00000	.01150	.00030	-.01150
.598	-5.093	-.02460	.00390	.01580	-.00560	.02000	25.00000	.01150	.00030	-.01150
.598	-2.513	-.02510	.00260	.01580	-.00560	.02000	25.00000	.01150	.00030	-.01150
.598	-.033	-.02590	.00080	.01580	-.00560	.01000	25.00000	.01150	.00030	-.01150
.598	2.541	-.02630	-.00080	.01580	-.00560	.01000	25.00000	.01150	.00030	-.01150
.598	4.864	-.02770	-.00210	.01580	-.00560	.01000	25.00000	.01150	.00030	-.01150
.598	9.576	-.02930	-.00620	.01580	-.00560	.01000	25.00000	.01150	.00030	-.01150
.598	14.614	-.02990	-.01160	.01580	-.00560	.02000	25.00000	.01570	.00030	-.00720
.598	18.253	-.03000	-.01520	.01790	-.00350	.02000	25.00000	.01150	.00030	-.01150
.598	23.063	-.03030	-.01950	.01580	-.00560	.02000	25.00000	.01150	.00030	-.01150
.598	GRADIENT	-.00033	-.00064	.00000	-.00000	-.00122	-.00000	-.00000	.00000	.00000

RUN NO. 344/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-08	AIL-1B	AIL-08
.800	-15.338	-.04470	.01260	.02000	-.00130	.01000	25.00000	.02000	.00030	-.00300
.800	-10.307	-.04550	.00790	.02000	-.00130	.03000	25.00000	.02000	.00030	-.00300
.800	-5.076	-.04430	.00330	.01720	-.00150	.02000	25.00000	.01420	.00030	-.00280
.800	-2.513	-.04450	.00200	.02000	-.00130	.02000	25.00000	.02000	.00030	-.00300
.799	.000	-.04490	.00030	.02000	-.00130	.02000	25.00000	.02000	.00030	-.00300
.800	2.549	-.04580	-.00110	.02000	-.00130	.02000	25.00000	.02000	.00030	-.00300
.800	4.856	-.04630	-.00310	.02000	-.00130	.02000	25.00000	.02000	.00030	-.00300
.800	9.584	-.04960	-.00830	.02000	-.00130	.02000	25.00000	.02000	.00030	-.00300
.800	14.605	-.04960	-.01400	.01790	-.00350	.00000	25.00000	.01570	.00030	-.00720
.800	18.280	-.05190	-.01780	.01790	-.00350	.00000	25.00000	.01570	.00030	-.00720
.800	22.963	-.05050	-.02120	.01790	-.00350	.00000	25.00000	.01570	.00030	-.00720
.800	GRADIENT	-.00026	-.00068	.00000	.00000	.00000	-.00000	.00000	-.00000	.00000

OAI45 TABULATED FORCE DATA

AMES 118-1-11 OAI45A Q1

DATE 10 MAR 80

(C2F061) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1075.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RN/L = 5.000

RUN NO. 390/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.900	-15.381	.04440	.02110	.01580	-.00640	.01000	25.00000	.01000	.02150	.00010	-.01300
.901	-10.331	.04380	.01700	.01330	-.00390	.01000	25.00000	.00510	.02150	.00510	-.01300
.899	-5.008	.04370	.01190	.01320	-.00900	.01000	25.00000	.00500	.02150	-.00500	-.01300
.901	-2.504	.04480	.00990	.01070	-.00650	.01000	25.00000	.00000	.02150	.00000	-.01300
.900	.043	.04390	.00860	.01320	-.00900	.02000	25.00000	.00500	.02150	-.00500	-.01300
.900	2.566	.04310	.00660	.01320	-.00900	.01000	25.00000	.00500	.02150	-.00500	-.01300
.900	4.831	.03960	.00450	.01580	-.00640	.01000	25.00000	.01000	.02150	.00010	-.01300
.902	9.576	.03870	-.00180	.01580	-.00640	.01000	25.00000	.01000	.02150	.00010	-.01300
.900	14.605	.03610	-.00720	.01000	-.00070	.02000	25.00000	.01000	.01000	.00010	-.00150
.901	18.271	.03600	-.01030	.01000	-.00070	.02000	25.00000	.01000	.01000	.00010	-.00150
.901	22.762	.03500	-.01390	.01000	-.00070	.01000	25.00000	.01000	.01000	.00010	-.00150
.902	GRADIENT	-.00066	-.00074	.00062	.00000	-.00040	.00000	.00122	.00000	-.00001	.00000

RUN NO. 413/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.951	-14.736	.09820	.01980	-.00220	-.00790	.00970	25.00000	.00510	-.00940	.00510	-.02090
.951	-10.691	.09520	.01630	-.00470	-.01040	.02910	25.00000	.00510	-.01450	.00510	-.02590
.950	-5.366	.09210	.01330	-.00470	-.01040	.01940	25.00000	.00510	-.01450	.00510	-.02590
.951	-2.776	.08990	.01080	-.00470	-.01040	.00970	25.00000	.00510	-.01450	.00510	-.02590
.952	-.966	.09060	.01010	-.00470	-.01040	.02910	25.00000	.00510	-.01450	.00510	-.02590
.950	.123	.09140	.00960	-.00470	-.01040	.00970	25.00000	.00510	-.01450	.00510	-.02590
.950	2.333	.09060	.00910	-.00470	-.01040	.00970	25.00000	.00510	-.01450	.00510	-.02590
.952	4.811	.08860	.00660	-.00470	-.01040	.00970	25.00000	.00510	-.01450	.00510	-.02590
.951	9.684	.08980	.00130	-.00470	-.01040	.00970	25.00000	.00510	-.01450	.00510	-.02590
.950	14.538	.09270	-.00260	-.00470	-.01040	.00970	25.00000	.00510	-.01450	.00510	-.02590
.949	18.070	.09390	-.00500	-.00470	-.01040	.00000	25.00000	.00510	-.01450	.00510	-.02590
.950	22.799	.09470	-.00870	-.00470	-.01040	.00970	25.00000	.00510	-.01450	.00510	-.02590
.950	GRADIENT	-.00019	-.00052	.00000	.00000	-.00090	.00000	-.00000	.00000	-.00000	.00000

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

PAGE 1059

AMES 118-1-11 0A145A 01(-TO+)

(C2F062) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

ALPHA =
ELEVON =
BDFLAP =
RN/L =

BETA = 5.000
AILRON = .000
SPDBRK = .000
RN/L = 5.000

PARAMETRIC DATA

RUN NO. 350/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-18	ELV-08	AIL-18	AIL-08
.902	-15.364	5.11380	.07240	.01430	.00440	.01000	25.00000	.02010	.00850	.00030	.00850
.900	-10.315	5.11140	.06930	.01640	.00650	.02000	25.00000	.02010	.01280	.00030	.01280
.901	-5.101	5.11010	.06650	.01430	.00440	.02000	25.00000	.02010	.00850	.00030	.00850
.900	-4.079	5.11040	.06580	.01430	.00440	.02000	25.00000	.02010	.00850	.00030	.00850
.901	-3.066	5.11150	.06500	.01180	.00180	.02000	25.00000	.01500	.00850	.00480	.00850
.901	-1.988	5.11140	.06410	.01390	.00400	.02000	25.00000	.01500	.01280	.00480	.01280
.901	-.945	5.11220	.06250	.01180	.00180	.02000	25.00000	.01500	.00850	.00480	.00850
.902	.128	5.11260	.06100	.01430	.00440	.02000	25.00000	.02010	.00850	.00030	.00850
.901	1.057	5.11050	.05990	.01430	.00440	.02000	25.00000	.02010	.00850	.00030	.00850
.901	2.073	5.11320	.05850	.01430	.00440	.02000	25.00000	.02010	.00850	.00030	.00850
.902	2.983	5.11250	.05720	.01430	.00440	.02000	25.00000	.02010	.00850	.00030	.00850
.902	3.929	5.11350	.05630	.01430	.00440	.02000	25.00000	.02010	.00850	.00030	.00850
.901	4.848	5.11170	.05560	.01430	.00440	.02000	25.00000	.02010	.00850	.00030	.00850
.901	9.584	5.11560	.05200	.01430	.00440	.02000	25.00000	.02010	.00850	.00030	.00850
.900	14.614	5.11590	.04830	.01180	.00690	.02000	25.00000	.01510	.00850	.00520	.00850
.902	18.271	5.11640	.04590	.01430	.00440	.02000	25.00000	.02010	.00850	.00030	.00850
.901	22.855	5.11740	.04290	.01430	.00440	.01000	25.00000	.02010	.00850	.00030	.00850
	GRADIENT	.00020	-.00122	.00018	.00018	.00000	.00000	.00049	-.00013	.00049	-.00013

RUN NO. 414/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-18	ELV-08	AIL-18	AIL-08
.950	-14.741	5.22880	.05220	.00540	.00030	.00000	25.00000	.00510	.00570	.00510	.00570
.951	-5.373	5.22910	.04790	.00220	.00790	.00970	25.00000	.00510	.00940	.00510	.00940
.950	-2.727	5.22610	.04650	.00720	.01290	.00970	25.00000	.00510	.01950	.00510	.02090
.951	-.103	5.22970	.04360	.00320	.00830	.00970	25.00000	.00000	.00640	.00000	.01650
.950	2.315	5.23140	.03970	.00470	.01040	.00970	25.00000	.00000	.00940	.00000	.02090
.950	4.968	5.23060	.03670	.00180	.01330	.00970	25.00000	.00000	.00370	.00000	.02660
.950	9.700	5.23500	.03420	.00180	.01330	.00970	25.00000	.00510	.00870	.00510	.03170
.949	14.530	5.23670	.03130	.00940	.02090	.01940	25.00000	.00510	.02390	.00510	.04680
.949	18.061	5.23870	.02910	.00540	.00030	.01940	25.00000	.00510	.00570	.00510	.00570
.950	22.827	5.24210	.02640	.00830	.00320	.00970	25.00000	.00510	.01150	.00510	.01150
	GRADIENT	.00059	-.00130	.00034	.00013	.00000	.00000	-.00060	.00128	-.00060	.00035

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

AMES 118-1-11 OAI45A 01(-TO+)

(CF062) (16 JUL 77)

REFERENCE DATA

SREF = 2590.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RN/L = 5.000

RUN NO. 357/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.093	-15.389	5.15480	.03960	.01500	-.00060	.00000	25.00000	.02010	.01000	.00030	-.00150
1.102	-10.315	5.13520	.03900	.01000	-.00070	.00000	25.00000	.01000	.01000	.00010	-.00150
1.102	-5.101	5.13190	.03760	.00710	-.00070	.00000	25.00000	.01000	.01000	.00010	-.00150
1.100	-2.522	5.13080	.03660	.01000	-.00070	.00000	25.00000	.00500	.01000	.00010	-.00150
1.100	.102	5.13100	.03510	.00460	-.00040	.01000	25.00000	.00500	.00430	-.00500	.00430
1.100	2.532	5.13290	.03250	.00710	-.00040	.00000	25.00000	.00500	.00430	-.00500	.00430
1.100	4.848	5.13510	.02990	.00710	.00220	.00000	25.00000	.01000	.00430	.00010	.00430
1.101	9.584	5.13990	.02770	.00710	.00220	.01000	25.00000	.01000	.00430	.00010	.00430
1.100	14.596	5.14490	.02490	.00710	.00220	.01000	25.00000	.01000	.00430	.00010	.00430
1.100	18.262	5.14900	.02330	.00710	.00220	.01000	25.00000	.01000	.00430	.00010	.00430
1.100	22.670	5.15290	.02160	.00710	.00220	.00000	25.00000	.01000	.00430	.00010	.00430
1.100	GRADIENT	.00060	-.00092	-.00037	.00035	-.00038	.00000	-.00003	-.00071	-.00003	.00072

RUN NO. 360/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.198	-15.389	5.13610	.04110	.01720	.00660	.01000	25.00000	.02020	.01420	.01030	.00280
1.200	-10.331	5.13260	.03960	.01720	.00660	.02000	25.00000	.02020	.01420	.01030	.00280
1.199	-5.076	5.13270	.03820	.01720	.00660	.02000	25.00000	.02020	.01420	.01030	.00280
1.201	-4.104	5.13290	.03780	.01720	.00660	.02000	25.00000	.02020	.01420	.01030	.00280
1.201	-3.057	5.13220	.03750	.01720	.00660	.02000	25.00000	.02020	.01420	.01030	.00280
1.200	-1.979	5.12970	.03710	.01480	.00900	.02000	25.00000	.02020	.01420	.01030	.00280
1.199	-.970	5.13100	.03630	.01720	.00660	.03000	25.00000	.02020	.01420	.01030	.00280
1.199	.000	5.13220	.03510	.01480	.00900	.02000	25.00000	.02020	.01420	.01030	.00280
1.200	1.031	5.13150	.03400	.01720	.00660	.02000	25.00000	.02020	.01420	.01030	.00280
1.200	2.057	5.13410	.03310	.01720	.00660	.02000	25.00000	.02020	.01420	.01030	.00280
1.200	3.000	5.14000	.03270	.01720	.00660	.02000	25.00000	.02020	.01420	.01030	.00280
1.200	3.937	5.13260	.03200	.01720	.00660	.02000	25.00000	.02020	.01420	.01030	.00280
1.200	4.856	5.13450	.03130	.01720	.00660	.02000	25.00000	.02020	.01420	.01030	.00280
1.199	9.584	5.13740	.02910	.01470	.00400	.03000	25.00000	.02020	.01420	.00520	.00280
1.201	14.614	5.14310	.02720	.01470	.00400	.03000	25.00000	.01510	.01420	.00520	.00280
1.201	18.253	5.14310	.02540	.01220	.00650	.03000	25.00000	.01510	.01420	.01020	.00280
1.200	22.642	5.14850	.02380	.01470	.00400	.02000	25.00000	.01510	.01420	.00520	.00280
1.199	GRADIENT	.00028	-.00079	.00009	-.00009	-.00006	.00000	.00017	.00000	-.00018	.00000

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

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AMES 110-1-11 0A145A 0: (-70+)

(08F082) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. X0
 LREF = 474.8100 INCHES YMRP = .0000 IN. Y0
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. Z0
 SCALE = .0500

ALPHA =
 ELEVON =
 BDFLAP =
 RN/L =

BETA = .000
 AILRON = .000
 SPDBRK = 25.000

PARAMETRIC DATA

RUN NO. 380/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	AIL-IB	ELV-OB	AIL-OB
1.298	-15.372	4.81610	.06180	.01040	-.00530	.00000	25.00000	.01500	-.00480	.00570	-.00570
1.298	-10.299	4.81190	.06060	.01040	-.00530	.01000	25.00000	.01500	-.00480	.00570	-.00570
1.297	-5.101	4.80880	.05900	.01040	-.00530	.00000	25.00000	.01500	-.00480	.00570	-.00570
1.298	-2.476	4.80950	.05770	.01040	-.00530	.00000	25.00000	.01500	-.00480	.00570	-.00570
1.298	-.033	4.81050	.05580	.01250	-.00310	.01000	25.00000	.01500	-.00480	.01000	-.00150
1.297	2.532	4.81180	.05470	.01250	-.00310	.00000	25.00000	.01500	-.00480	.01000	-.00150
1.297	4.856	4.81300	.05340	.01250	-.00310	.01000	25.00000	.01500	-.00480	.01000	-.00150
1.297	9.584	4.81690	.05140	.01250	-.00310	.00000	25.00000	.01500	-.00480	.01000	-.00150
1.296	14.614	4.82340	.04960	.01250	-.00310	.01000	25.00000	.01500	-.00480	.01000	-.00150
1.297	18.308	4.82830	.04800	.01250	-.00310	.01000	25.00000	.01500	-.00480	.01000	-.00150
1.297	22.623	4.83280	.04610	.01250	-.00310	.01000	25.00000	.01500	-.00480	.01000	-.00150
1.297	GRADIENT	.00048	-.00057	.00026	.00027	.00079	.00000	.00000	.00000	.00053	.00051

RUN NO. 370/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	AIL-IB	ELV-OB	AIL-OB
1.403	-15.372	4.77450	.05900	.00780	-.00780	.01000	25.00000	.00990	-.00990	.00570	-.00570
1.403	-10.299	4.77160	.05770	.01030	-.01030	.02000	25.00000	.01490	-.01490	.00570	-.00570
1.403	-5.084	4.76930	.05570	.01030	-.01030	.02000	25.00000	.01490	-.01490	.00570	-.00570
1.403	-2.531	4.76580	.05430	.01030	-.01030	.02000	25.00000	.01490	-.01490	.00570	-.00570
1.403	.034	4.85510	.04920	.01030	-.01030	.02000	25.00000	.00990	-.00990	.00570	-.00570
1.403	2.524	4.85580	.04750	.00780	-.00780	.01000	25.00000	.00990	-.00990	.00570	-.00570
1.404	4.864	4.85650	.04660	.00530	-.00530	.02000	25.00000	.00990	-.00990	.00570	-.00570
1.403	9.567	4.86150	.04530	.01030	-.01030	.02000	25.00000	.01490	-.01490	.00570	-.00570
1.403	14.605	4.86640	.04360	.01030	-.01030	.02000	25.00000	.01490	-.01490	.00570	-.00570
1.403	18.271	4.86990	.04230	.01030	-.01030	.02000	25.00000	.01490	-.01490	.00570	-.00570
1.403	22.670	4.87540	.04070	.01280	-.00770	.02000	25.00000	.02000	-.00980	.00570	-.00570
1.402	GRADIENT	.01120	-.00101	-.00070	.00070	-.00043	.00000	-.00140	.00140	.00000	-.00000

OAI45 TABULATED FORCE DATA

(C2F063) (.16 JUL 77)

AMES 118-1-11 OAI45A 01(*TO-)

DATE 10 MAR 80

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPOBRK = 25.000
RN/L = 5.000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

RUN NO. 324/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	ELV-1B	AIL-1B	AIL-OB
.597	-22.170	4.99970	.06440	.01250	-.00310	.00000	25.00000	.01000	-.00480	-.00150
.597	-15.372	4.99910	.05970	.01250	-.00310	.00000	25.00000	.01000	-.00480	-.00150
.597	-10.307	4.99800	.05670	.01250	-.00310	.00000	25.00000	.01000	-.00480	-.00150
.597	-5.093	4.99840	.05280	.01250	-.00310	.00000	25.00000	.01000	-.00480	-.00150
.596	-3.066	4.99820	.05130	.01500	-.00060	.00000	25.00000	.02010	.00030	-.00150
.597	-1.979	4.99850	.05040	.01500	-.00060	.00000	25.00000	.02010	.00030	-.00150
.597	-.962	4.99910	.04940	.01500	-.00060	.00000	25.00000	.02010	.00030	-.00150
.597	.026	4.99920	.04860	.01500	-.00060	.00000	25.00000	.02010	.00030	-.00150
.597	1.031	4.99970	.04690	.01500	-.00060	.01000	25.00000	.02010	.00030	-.00150
.597	2.073	4.99970	.04560	.01500	-.00060	.00000	25.00000	.02010	.00030	-.00150
.596	3.880	4.99930	.04450	.01500	-.00060	.00000	25.00000	.02010	.00030	-.00150
.596	5.0010	5.00010	.04340	.01500	-.00060	.00000	25.00000	.02010	.00030	-.00150
.597	4.873	5.00010	.04260	.01500	-.00060	.00000	25.00000	.02010	.00030	-.00150
.596	9.584	5.00060	.03920	.01500	-.00060	.01000	25.00000	.02010	.00030	-.00150
.597	14.596	5.00160	.03530	.01500	-.00060	.01000	25.00000	.02010	.00030	-.00150
.597	18.253	5.00290	.03280	.01500	-.00060	.01000	25.00000	.02010	.00030	-.00150
.597	23.109	5.00460	.02930	.01500	-.00060	.01000	25.00000	.02010	.00030	-.00150
.597	GRADIENT	.00023	-.00116	.00000	-.00000	.00059	.00000	.00000	.00000	-.00000

RUN NO. 351/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	ELV-1B	AIL-1B	AIL-OB
.902	-22.179	5.11690	.07670	.01390	.00400	.01000	25.00000	.01500	-.00480	.01280
.901	-15.372	5.11500	.07240	.01390	.00400	.01000	25.00000	.01500	-.00480	.01280
.901	-10.323	5.11310	.06940	.01640	.00650	.02000	25.00000	.02010	-.00480	.01280
.902	-5.110	5.11320	.06650	.01390	.00400	.02000	25.00000	.02010	.00030	.01280
.901	-3.066	5.11210	.06480	.01640	.00650	.02000	25.00000	.02010	.00030	.01280
.902	-1.988	5.11270	.06370	.01640	.00650	.02000	25.00000	.02010	.00030	.01280
.901	-.954	5.11410	.06220	.01640	.00650	.02000	25.00000	.02010	.00030	.01280
.901	.017	5.11600	.06090	.01640	.00650	.02000	25.00000	.02010	.00030	.01280
.901	1.023	5.11320	.05970	.01900	.00910	.02000	25.00000	.02520	.00540	.01280
.901	2.065	5.11570	.05840	.01900	.00910	.02000	25.00000	.02520	.00540	.01280
.901	3.921	5.11500	.05700	.01180	.00180	.02000	25.00000	.01500	-.00480	.00850
.901	4.856	5.11660	.05620	.01180	.00180	.02000	25.00000	.01500	-.00480	.00850
.902	9.576	5.11600	.05510	.00930	.00430	.02000	25.00000	.01000	.00010	.00850
.902	14.586	5.11780	.05190	.00930	.00430	.02000	25.00000	.01000	.00010	.00850
.901	18.262	5.11970	.04820	.01430	.00440	.02000	25.00000	.02010	.00030	.00850
.902	22.855	5.12010	.04610	.01430	.00440	.02000	25.00000	.02010	.00030	.00850
.898	GRADIENT	.00049	-.00125	-.00081	-.00049	.00034	.00000	-.00100	-.00034	-.00065

DATE 10 MAR 80

OAI145 TABULATED FORCE DATA

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AMES 118-1-11 OAI145A 01(+TO-)

(C2F063) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BOFLAP = .000 SPDBRK = 25.000
 RN/L = 5.000

RUN NO. 361/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	ELV-OB	AIL-IB	AIL-OB
1.199	-22.205	5.14210	.04360	.00970	.00390	.02000	25.00000	.01420	.00510	.00280
1.199	-15.398	5.13490	.04130	.00970	.00390	.00000	25.00000	.01420	.00510	.00280
1.199	-10.339	5.13150	.04010	.00970	.00390	.01000	25.00000	.01420	.00510	.00280
1.200	-5.135	5.13160	.03810	.00970	.00390	.01000	25.00000	.01420	.00510	.00280
1.201	-3.066	5.13290	.03680	.01250	.00110	.01000	25.00000	.02000	.00510	.00300
1.199	-1.997	5.13080	.03600	.00970	.00390	.01000	25.00000	.01420	.00510	.00280
1.199	-.979	5.13180	.03470	.01250	.00110	.01000	25.00000	.02000	.00510	.00300
1.199	-.017	5.13210	.03430	.00970	.00390	.02000	25.00000	.01420	.00510	.00280
1.199	1.040	5.13220	.03290	.01220	.00650	.02000	25.00000	.01420	.01020	.00280
1.200	2.065	5.13320	.03190	.01220	.00650	.02000	25.00000	.01420	.01020	.00280
1.199	3.008	5.13440	.03110	.01220	.00650	.02000	25.00000	.01420	.01020	.00280
1.199	3.929	5.13510	.03080	.01220	.00650	.02000	25.00000	.01420	.01020	.00280
1.200	4.839	5.13420	.03040	.01220	.00650	.02000	25.00000	.01420	.01020	.00280
1.201	9.559	5.13900	.02880	.01220	.00650	.02000	25.00000	.01420	.01020	.00280
1.201	14.577	5.14550	.02710	.01220	.00650	.02000	25.00000	.01420	.01020	.00280
1.201	18.243	5.14650	.02550	.01220	.00650	.02000	25.00000	.01420	.01020	.00280
1.200	22.642	5.15030	.02390	.01470	.00400	.01000	25.00000	.01420	.00520	.00280
	GRADIENT	.00041	-.00086	.00014	.00073	.00152	.00000	-.00059	.00085	.00059

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(C2F064) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = .0000 BETA = .0000
 ELEVON = .0000 AILRON = .0000
 BDFLAP = .0000 SPDGRK = 25.0000
 RN/L = 5.000

RUN NO. 325/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDGRK	ELV-OB	AIL-IB	AIL-OB
.597	-15.364	10.12200	.09690	.01290	-.00270	.00000	25.00000	.00570	.00030	-.00570
.597	-10.307	10.12100	.09370	.01290	-.00270	.00000	25.00000	.00570	.00030	-.00570
.597	-5.118	10.12200	.08970	.01290	-.00270	.00000	25.00000	.00570	.00030	-.00570
.596	-2.541	10.12200	.08800	.01790	-.00770	.00000	25.00000	.00570	.00960	-.00570
.597	.000	10.12400	.08570	.01790	-.00770	.00000	25.00000	.00570	.00960	-.00570
.597	2.541	10.12700	.08250	.01790	-.00770	.00000	25.00000	.00570	.00960	-.00570
.597	5.028	10.12700	.08020	.01790	-.00770	.00000	25.00000	.00570	.00960	-.00570
.596	9.584	10.13000	.07430	.01790	-.00770	.00000	25.00000	.00570	.00960	-.00570
.596	14.614	10.13100	.07000	.01790	-.00770	.01000	25.00000	.00570	.00960	-.00570
.597	18.280	10.13400	.06700	.01790	-.00770	.01000	25.00000	.00570	.00960	-.00570
.597	23.091	10.13700	.06370	.01790	-.00770	.01000	25.00000	.00570	.00960	-.00570
	GRADIENT	.00098	-.00108	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 346/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDGRK	ELV-OB	AIL-IB	AIL-OB
.801	-15.347	10.17400	.10650	.01250	-.00310	.00000	25.00000	.01000	.00480	-.00150
.800	-10.315	10.17300	.10310	.01540	-.00600	.00000	25.00000	.01570	.00480	-.00720
.801	-5.084	10.17400	.09850	.01540	-.00600	.00000	25.00000	.01570	.00480	-.00720
.800	-2.485	10.17300	.09630	.01540	-.00600	.00000	25.00000	.01570	.00480	-.00720
.801	.068	10.17600	.09360	.01540	-.00600	.00000	25.00000	.01570	.00480	-.00720
.801	2.549	10.17800	.09060	.01540	-.00600	.00000	25.00000	.01570	.00480	-.00720
.799	4.873	10.17700	.08790	.01540	-.00600	.01000	25.00000	.01570	.00480	-.00720
.801	9.584	10.18200	.08200	.01540	-.00600	.01000	25.00000	.01570	.00480	-.00720
.801	14.614	10.18400	.07800	.01540	-.00600	.01000	25.00000	.01570	.00480	-.00720
.800	18.280	10.18500	.07500	.01250	-.00310	.01000	25.00000	.01000	.00480	-.00150
.800	23.009	10.18800	.07210	.01250	-.00310	.01000	25.00000	.01000	.00480	-.00150
	GRADIENT	.00058	-.00115	.00000	.00000	.00120	.00000	.00000	.00000	.00000

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

(C2F064) (16 JUL 77)

ANES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPDBRK = 25.000
 RN/L = 5.000

RUN NO. 352/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-08	AIL-08	AIL-18	AIL-08
.900	-15.355	10.22600	.10430	.01640	.00650	.02000	25.00000	.01280	.00030	.00030	.01280
.902	-10.307	10.22500	.10130	.01640	.00650	.02000	25.00000	.01280	.00030	.00030	.01280
.901	-5.110	10.22700	.09760	.01640	.00650	.02000	25.00000	.01280	.00030	.00030	.01280
.901	-2.522	10.22900	.09580	.06090	.04310	.02000	25.00000	.01280	.00030	.00030	.01280
.901	.060	10.23100	.09310	.05840	.04060	.02000	25.00000	.01280	.00030	.00030	.01280
.901	2.516	10.23300	.09010	.06350	.04050	.02000	25.00000	.01280	.00030	.00030	.01280
.902	4.897	10.23500	.08480	.01640	.00650	.02000	25.00000	.01280	.00030	.00030	.01280
.902	9.567	10.23800	.08180	.01640	.00650	.02000	25.00000	.01280	.00030	.00030	.01280
.900	14.586	10.23900	.07820	.01640	.00650	.02000	25.00000	.01280	.00030	.00030	.01280
.901	18.262	10.24500	.07600	.01850	.00860	.02000	25.00000	.01280	.00030	.00030	.01280
.901	22.836	10.24100	.07310	.01640	.00650	.02000	25.00000	.01280	.00030	.00030	.01280
.900	GRADIENT	.00081	-.00145	-.00513	.00595	.00081	.00000	.00000	.01190	.01190	.00000

RUN NO. 415/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-08	AIL-08	AIL-18	AIL-08
.950	-14.747	10.37300	.05660	.01000	-.00150	.00970	25.00000	.02000	.00000	.00000	-.00300
.951	-10.691	10.37100	.05340	.01250	.00110	.00970	25.00000	.02000	.00510	.00510	-.00300
.952	-5.344	10.37300	.05090	.01250	.00110	.00970	25.00000	.02000	.00510	.00510	-.00300
.950	-2.760	10.37300	.04860	.01250	.00110	.00970	25.00000	.02000	.00510	.00510	-.00300
.951	-.083	10.37100	.04570	.01250	.00110	.00970	25.00000	.02000	.00510	.00510	-.00300
.952	2.324	10.37600	.04260	.01250	.00110	.00970	25.00000	.02000	.00510	.00510	-.00300
.950	4.802	10.37500	.03930	.01250	.00110	.00970	25.00000	.02000	.00510	.00510	-.00300
.950	9.700	10.37800	.03570	.01250	.00110	.00970	25.00000	.02000	.00510	.00510	-.00300
.950	14.538	10.38000	.03260	.01250	.00110	.00970	25.00000	.02000	.00510	.00510	-.00300
.950	18.061	10.38500	.03070	.01250	.00110	.00970	25.00000	.02000	.00510	.00510	-.00300
.950	22.771	10.38400	.02760	.01250	.00110	.00970	25.00000	.02000	.00510	.00510	-.00300
.950	GRADIENT	.00043	-.00123	.00000	.00000	.00079	.00000	-.00000	.00000	.00000	-.00000

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

AMES 118-1-11 OAI45A 01

(CF064) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA =
 ELEVON =
 BOFLAP =
 RN/L =
 BETA =
 AILRON =
 SPDRK =
 10.000
 .000
 .000
 5.000
 .000
 .000
 25.000

RUN NO. 362/ 0 RN/L = 4.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDRK	ELV-08	AIL-08	AIL-0B
1.199	-15.381	10.24300	.04210	.01220	.00650	.02000	25.00000	.01420	.01020	.00280
1.201	-10.339	10.23800	.04090	.01220	.00650	.03000	25.00000	.01420	.01020	.00280
1.199	-5.101	10.23600	.03890	.01220	.00650	.03000	25.00000	.01420	.01020	.00280
1.201	-2.541	10.23300	.03680	.01510	.00360	.02000	25.00000	.02000	.01020	.00300
1.201	2.541	10.23600	.03680	.01220	.00650	.03000	25.00000	.01420	.01020	.00280
1.200	4.864	10.23900	.03490	.01220	.00650	.02000	25.00000	.01420	.01020	.00280
1.201	8.737	10.24100	.03300	.01220	.00650	.02000	25.00000	.01420	.01020	.00280
1.199	14.577	10.24300	.02980	.00970	.00390	.03000	25.00000	.02000	.00510	.00300
1.199	18.280	10.25200	.02640	.01250	.00110	.03000	25.00000	.01420	.00510	.00280
1.199	22.614	10.25500	.02430	.00970	.00390	.02000	25.00000	.01420	.01020	.00280
1.199	GRADIENT	10.25900	.02230	.01220	.00650	.02000	25.00000	.01420	.01020	.00280
		.00109	-.00075	-.00035	.00035	-.00041	-.00000	-.00071	.00000	.00071

RUN NO. 379/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDRK	ELV-08	AIL-08	AIL-0B
1.300	-15.381	9.99460	.05920	.01250	.00310	.01000	25.00000	.01000	.00480	.00150
1.299	-10.291	9.99330	.05790	.01250	.00310	.02000	25.00000	.01000	.00480	.00150
1.299	-5.160	9.99080	.05610	.01250	.00310	.02000	25.00000	.01000	.00480	.00150
1.299	-2.531	9.99210	.05470	.01250	.00310	.02000	25.00000	.01000	.00480	.00150
1.299	.077	9.99170	.05320	.01250	.00310	.02000	25.00000	.01000	.00480	.00150
1.298	2.524	9.99380	.05110	.01250	.00310	.01000	25.00000	.01000	.00480	.00150
1.298	4.814	9.99490	.04960	.01500	.00560	.00000	25.00000	.01000	.00480	.00150
1.297	9.601	10.00000	.04590	.01250	.00310	.00000	25.00000	.01000	.00480	.00150
1.298	14.633	10.00500	.04320	.01250	.00310	.01000	25.00000	.01000	.00480	.00150
1.297	18.253	10.01000	.04160	.01250	.00310	.01000	25.00000	.01000	.00480	.00150
1.297	22.679	10.01500	.03960	.01250	.00310	.01000	25.00000	.01000	.00480	.00150
1.297	GRADIENT	.00042	-.00071	.00030	-.00030	-.00283	-.00000	-.00000	.00060	.00000

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

(C2F064) (16 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDGRK = 25.000
RN/L = 5.000

RUN NO. 371/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDGRK	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.399	-15.389	9.99720	.06710	.01860	-.01350	.01000	25.00000	.02000	.01720	-.00980	-.01720
1.401	-10.315	9.99330	.06590	.01570	-.01060	.03000	25.00000	.02000	.01150	-.00980	-.01150
1.401	-5.127	9.99380	.06310	.01570	-.01060	.02000	25.00000	.02000	.00570	-.00980	-.01150
1.401	-2.504	9.99340	.06180	.01280	-.00770	.02000	25.00000	.02000	.00570	-.00980	-.00570
1.401	.111	9.99550	.06080	.01280	-.00770	.02000	25.00000	.02000	.00570	-.00980	-.00570
1.402	2.499	9.99660	.05860	.01280	-.00770	.02000	25.00000	.02000	.00570	-.00980	-.00570
1.402	4.856	9.99710	.05700	.01280	-.00770	.02000	25.00000	.02000	.00570	-.00980	-.00570
1.403	9.567	10.00000	.05480	.01280	-.00770	.02000	25.00000	.02000	.00570	-.00980	-.00570
1.403	14.586	10.00300	.05300	.01280	-.00770	.02000	25.00000	.02000	.00570	-.00980	-.00570
1.401	18.253	10.01000	.05140	.01570	-.01060	.02000	25.00000	.02000	.01150	-.00980	-.01150
1.401	22.688	10.01500	.04980	.01570	-.01060	.02000	25.00000	.02000	.00000	-.00000	-.00000
	GRADIENT	.00050	-.00068	.00000	-.00000	-.00042	.00000	-.00000			

(C2F065) (16 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDGRK = 25.000
RN/L = 5.000

RUN NO. 326/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDGRK	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.597	-15.372	15.24900	.15890	.01720	.00150	.00000	25.00000	.02010	.01420	.00030	.00280
.598	-10.323	15.25200	.15320	.02000	-.00130	.00000	25.00000	.02010	.02000	.00030	-.00300
.596	-5.093	15.25100	.14690	.01720	.00150	.00000	25.00000	.02010	.01420	.00030	.00280
.597	-2.513	15.25500	.14420	.02250	-.00380	.00000	25.00000	.02000	.02000	-.00470	-.00300
.597	.068	15.25200	.14170	.01710	-.00350	.00000	25.00000	.02000	.01420	-.00980	.00280
.597	2.524	15.25400	.13710	.02000	-.00130	.00000	25.00000	.02010	.02000	.00030	-.00300
.597	4.864	15.25700	.13410	.02000	-.00130	.00000	25.00000	.02010	.02000	.00030	-.00300
.596	9.593	15.25900	.12810	.02000	-.00130	.00000	25.00000	.02010	.02000	.00030	-.00300
.595	14.623	15.25800	.12090	.02000	-.00130	.01000	25.00000	.02010	.02000	.00030	-.00300
.597	18.299	15.26500	.11650	.01750	-.00390	.01000	25.00000	.01500	.02000	-.00480	-.00280
.596	23.091	15.26600	.11200	.01460	-.00100	.00000	25.00000	.01420	.01420	-.00480	-.00280
	GRADIENT	.00031	-.00142	-.00020	.00039	.00000	.00000	-.00060		.00101	-.00022

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

AMES 118-1-11 OAI45A 01

(C2F055) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPOBRK = 25.000
RN/L = 5.000

RUN NO. 363/ 0 RN/L = 4.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	ELV-08	AIL-18	AIL-08
1.199	-15.389	15.26400	.03320	.01000	-.00070	.02000	25.00000	.01000	.00010	-.00150
1.199	-10.315	15.26200	.03010	.01000	-.00070	.02000	25.00000	.01000	.00010	-.00150
1.201	-5.110	15.25800	.02520	.01000	-.00070	.02000	25.00000	.01000	.00010	-.00150
1.201	-2.504	15.26300	.02490	.01260	.00190	.03000	25.00000	.01000	.00520	-.00150
1.201	.008	15.26500	.02250	.01260	.00190	.03000	25.00000	.01000	.00520	-.00150
1.200	2.507	15.26700	.02090	.01260	.00190	.03000	25.00000	.01000	.00520	-.00150
1.200	4.873	15.26900	.01780	.01260	.00190	.03000	25.00000	.01000	.00520	-.00150
1.200	9.618	15.27200	.01410	.01260	.00190	.04000	25.00000	.01000	.00520	-.00150
1.199	14.596	15.27800	.01030	.01260	.00190	.03000	25.00000	.01000	.00520	-.00150
1.199	22.670	15.28600	.00500	.01260	.00190	.03000	25.00000	.01000	.00520	-.00150
1.199	GRADIENT	.00081	-.00093	.00000	.00000	-.00042	.00000	.00000	.00000	-.00000

RUN NO. 378/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	ELV-08	AIL-18	AIL-08
1.293	-15.372	15.41600	.06500	.01780	-.00850	.00000	25.00000	.01570	-.00980	-.00720
1.295	-10.331	15.14100	.08220	.01500	-.00560	.01000	25.00000	.01000	-.00980	-.00150
1.296	-5.160	15.14100	.07370	.01500	-.00560	.01000	25.00000	.01000	-.00980	-.00150
1.296	-2.577	15.14000	.07260	.01500	-.00560	.02000	25.00000	.01000	-.00980	-.00150
1.296	-.033	15.14100	.07150	.01500	-.00560	.02000	25.00000	.01000	-.00980	-.00150
1.296	2.541	15.14400	.06650	.01500	-.00560	.02000	25.00000	.01000	-.00980	-.00150
1.296	4.856	15.14600	.06430	.01500	-.00560	.02000	25.00000	.01000	-.00980	-.00150
1.296	9.618	15.15000	.06370	.01500	-.00560	.02000	25.00000	.01000	-.00980	-.00150
1.296	14.568	15.15700	.05990	.01500	-.00560	.02000	25.00000	.01000	-.00980	-.00150
1.296	18.271	15.16200	.05550	.01500	-.00560	.02000	25.00000	.01000	-.00980	-.00150
1.296	22.688	15.16300	.05760	.01500	-.00560	.02000	25.00000	.01000	-.00980	-.00150
1.295	GRADIENT	.00084	-.00119	.00000	.00000	.00078	-.00000	-.00000	-.00000	-.00000

0A145 TABULATED FORCE DATA

DATE 10 MAR 80

AMES 118-1-11 0A145A 01

(C2F065) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = .000
 ELEVON = .000
 BDFLAP = .000
 RN/L = 5.000

RUN NO. 372/ 0 RN/L = 4.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
1.393	-15.398	15.09600	.07360	.01280	-.00770	.01000	25.00000	.02000	.00570	-.00980	-.00570
1.396	-10.331	15.09100	.07270	.01280	-.00770	.02000	25.00000	.02000	.00570	-.00980	-.00570
1.399	-5.110	15.08700	.06900	.01500	-.00560	.01000	25.00000	.02000	.01000	-.00980	-.00150
1.400	-2.541	15.09000	.06690	.01500	-.00560	.01000	25.00000	.02000	.01000	-.00980	-.00150
1.400	.000	15.09200	.06190	.01500	-.00560	.01000	25.00000	.02000	.01000	-.00980	-.00150
1.400	2.532	15.09300	.06060	.01500	-.00560	.01000	25.00000	.02000	.01000	-.00980	-.00150
1.400	4.848	15.09400	.05980	.01500	-.00560	.02000	25.00000	.02000	.01000	-.00980	-.00150
1.400	9.610	15.09800	.05680	.01500	-.00560	.01000	25.00000	.02000	.01000	-.00980	-.00150
1.400	14.614	15.10100	.05450	.01500	-.00560	.01000	25.00000	.01500	.01000	-.00480	-.00150
1.400	18.271	15.10600	.05230	.01250	-.00310	.02000	25.00000	.02000	.01000	-.00980	-.00150
1.400	22.688	15.11100	.05110	.01500	-.00560	.02000	25.00000	.02000	.01000	-.00980	-.00150
1.400	GRADIENT	.00053	-.00092	.00000	-.00000	.00119	.00000	.00000	.00000	-.00000	-.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

AMES 118-1-11 0A145A 01

(C2F066) (16 JUL 77)

PARAMETRIC DATA

BETA = .000
 ELEVON = .000
 BDFLAP = .000
 SPDBRK = 25.000
 RUDDER = -5.000
 RN/L = 5.000

RUN NO. 330/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.598	-5.058	-.03290	.01580	-.00560	.02000	25.00000	-5.11810	.02010	.01150	.00030	-.01150
.600	-.442	-.00310	.01580	-.00560	.02000	25.00000	-5.11810	.02010	.01150	.00030	-.01150
.598	2.481	.01180	.01580	-.00560	.02000	25.00000	-5.11810	.01500	.01150	.00030	-.01150
.597	5.030	.01690	.01320	-.00810	.02000	25.00000	-5.11810	.01500	.01150	.00480	-.01150
.597	7.029	.05970	.01320	-.00810	.02000	25.00000	-5.11810	.01500	.01150	.00480	-.01150
.597	8.006	.06850	.01320	-.00810	.02000	25.00000	-5.11810	.02010	.00570	.00030	-.00570
.597	10.102	.08350	.01290	-.00270	.01000	25.00000	-5.11810	.02010	.00570	.00030	-.00570
.597	12.155	.09240	.01290	-.00270	.01000	25.00000	-5.11810	.02010	.00570	.00030	-.00570
.597	15.209	.11910	.01330	-.00310	.01000	25.00000	-5.12660	.01510	.01150	.00520	-.01150
.598	GRADIENT	.00510	.00000	.00000	.00000	.00000	-.00000	.00000	.00000	.00000	-.00000

(C2F066) (16 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = -5.000
RN/L = 5.000

PARAMETRIC DATA

RUN NO. 347/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00									
MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB
.797	-4.994	-.02090	.01720	.00150	.00000	25.00000	-5.15200	.01420	.00030
.799	.011	.01870	.01500	-.00060	.00000	25.00000	-5.15200	.01000	.00030
.800	2.066	.03200	.01720	.00150	.00000	25.00000	-5.15200	.01420	.00030
.796	5.052	.07040	.01720	.00150	.00000	25.00000	-5.15200	.01000	.00030
.796	7.101	.07520	.01500	-.00060	.00000	25.00000	-5.15200	.00430	.00030
.798	8.135	.08560	.01220	.00230	.00000	25.00000	-5.16040	.01000	.00030
.796	10.194	.10010	.01250	-.00310	.00000	25.00000	-5.15200	.01000	.00030
.795	12.242	.10460	.00990	-.00570	.00000	25.00000	-5.10970	.01000	.00990
.792	15.322	.12590	.01250	-.00310	.01000	25.00000	-5.10120	.01000	.00480
GRADIENT		.00757	-.00008	-.00008	.00000	.00000	.00000	-.00016	.00000

RUN NO. 384/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00									
MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB
.902	-5.228	.14450	.00500	-.00500	.01000	25.00000	-5.06740	.00000	.00990
.904	-.208	.12650	.00750	-.00240	.01000	25.00000	-5.05900	.00000	.00480
.900	1.824	.12910	.00750	-.00240	.02000	25.00000	-5.16890	.00000	.00480
.896	4.947	.09230	.00750	-.00240	.02000	25.00000	-5.17730	.00000	.00990
.900	7.010	.11700	.00500	-.00500	.02000	25.00000	-5.14350	.00000	.00990
.900	8.031	.12230	.00960	-.00030	.01000	25.00000	-5.19420	.00430	.00480
.899	10.072	.13280	.01250	-.00310	.01000	25.00000	-5.19420	.01000	.00480
.897	12.166	.15810	.00780	-.00780	.01000	25.00000	-5.15200	.00570	.00990
.901	15.221	.19850	.00780	-.00780	.01000	25.00000	-5.18580	.00570	.00990
GRADIENT		-.00707	.00000	.00000	.00178	.00000	-.02124	.00000	.00000

RUN NO. 411/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00									
MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB
.951	-4.966	-.01980	.01920	-.00560	.00000	25.00000	-5.35850	.00850	.01970
.949	.123	.01270	.01490	-.00980	.00970	25.00000	-5.35850	.00000	.01970
.951	2.163	.02560	.01490	-.00980	.00970	25.00000	-5.35850	.00000	.01970
.948	5.189	.06070	.01780	-.01270	.01940	25.00000	-5.35100	.00570	.01970
.949	7.280	.05230	.01710	-.00770	.02910	25.00000	-5.35100	.00430	.01970
.947	8.303	.04470	.01990	-.01060	.00970	25.00000	-5.35850	.01000	.01970
.944	10.361	.03320	.01780	-.01270	.00970	25.00000	-5.35100	.00570	.01970
.949	12.390	.04200	.01780	-.01270	.00970	25.00000	-5.35100	.00570	.01970
.948	15.423	.04390	.01520	-.01520	.00970	25.00000	-5.35850	.00570	.02480
GRADIENT		.00637	-.00065	-.00063	.00257	.00000	-.00000	-.00128	.00000

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REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 25.000 RUDDER = -5.000
 RN/L = 5.000

RUN NO. 358/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-1B	AIL-1B	ELV-0B	AIL-0B
1.101	-5.075	-.02780	.01860	.01370	.01000	25.00000	-5.10970	.02020	.01030	.01700	.01700
1.101	-.018	-.00340	.01610	.01110	.00000	25.00000	-5.10970	.01510	.00520	.01700	.01700
1.102	2.028	.01420	.01140	.00640	.00000	25.00000	-5.10970	.01000	.00010	.01280	.01280
1.100	5.120	.04130	.01470	.00400	.00000	25.00000	-5.10120	.01510	.00520	.01420	.01280
1.097	7.174	.03630	.01680	.00510	.01000	25.00000	-5.10120	.01510	.00520	.01280	.01280
1.097	8.209	.03260	.01390	.00900	.01000	25.00000	-5.10120	.01510	.00520	.01280	.01280
1.095	10.240	.02880	.01470	.00400	.00000	25.00000	-5.10120	.01510	.00520	.01280	.01280
1.093	12.259	.02690	.01680	.00510	.01000	25.00000	-5.10120	.01510	.00520	.01280	.01280
1.093	15.317	.02940	.01390	.00900	.02000	25.00000	-5.10120	.01510	.00520	.01280	.01280
1.099	GRADIENT	.00860	-.00230	-.00230	.00000	.00000	.00000	-.00249	-.00249	-.00205	-.00205

RUN NO. 364/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-1B	AIL-1B	ELV-0B	AIL-0B
1.200	-5.102	-.03400	.01510	.00440	.01000	25.00000	-5.11810	.02020	.01030	.01000	.01050
1.200	-4.846	-.03080	.01800	.00160	.01000	25.00000	-5.11810	.02020	.01030	.01570	.00720
1.200	-.057	-.00270	.01540	-.00100	.00000	25.00000	-5.11810	.01510	.00520	.00570	.00570
1.198	2.512	.00770	.01040	-.00020	.00000	25.00000	-5.11810	.01510	.00520	.01570	.00720
1.198	5.186	.03580	.01540	-.00100	.00000	25.00000	-5.11810	.01510	.00520	.01150	.01150
1.196	7.158	.02880	.01330	-.00310	.00000	25.00000	-5.10970	.01510	.00520	.00570	.00570
1.199	8.199	.03180	.01040	-.00020	.00000	25.00000	-5.10970	.01510	.00520	.00570	.00720
1.198	10.271	.03440	.01540	-.00100	.01000	25.00000	-5.10970	.01510	.00520	.01570	.00720
1.199	12.262	.02550	.01540	-.00100	.01000	25.00000	-5.10970	.01000	.00010	.01000	.00150
1.199	15.287	.04430	.01000	-.00070	.01000	25.00000	-5.10970	.01000	.00010	.01000	.00150
1.198	GRADIENT	.00531	-.00097	-.00028	-.00145	.00000	.00000	-.00074	-.00074	-.00119	.00018

RUN NO. 377/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-1B	AIL-1B	ELV-0B	AIL-0B
1.297	-5.289	-.02810	.01790	-.00350	.00000	25.00000	-4.99980	.02010	.00030	.01570	.00720
1.299	-.381	.00910	.01250	-.00310	.00000	25.00000	-5.17730	.01500	.00480	.01000	.00150
1.296	2.284	.02580	.01540	-.00600	.00000	25.00000	-5.18580	.01500	.00480	.01570	.00720
1.294	4.753	.04410	.01540	.00600	.00000	25.00000	-5.18580	.01500	.00480	.01570	.00720
1.293	6.872	.06050	.01250	-.00310	.00000	25.00000	-5.18580	.01500	.00480	.01000	.00150
1.294	7.890	.06420	.01250	-.00310	.00000	25.00000	-5.18580	.01500	.00480	.01000	.00150
1.294	10.031	.06710	.01250	-.00310	.00000	25.00000	-5.18580	.01500	.00480	.01000	.00150
1.289	12.008	.06080	.01250	-.00310	.01000	25.00000	-5.18580	.01500	.00480	.01570	.00720
1.289	15.076	.05620	.01780	-.00850	.00000	25.00000	-5.18580	.02000	.00980	.01570	.00720
1.294	GRADIENT	.00681	.00057	-.00057	.00000	.00000	-.00168	.00000	.00000	.00112	-.00112

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REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = -5.000
RN/L = 5.000

PARAMETRIC DATA

RUN NO. 373/ 0 RN/L = 4.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-08	AIL-08	AIL-08
1.407	-5.316	-0.02900	.01540	-.00500	.01000	25.00000	-5.08430	.01570	-.00480	-.00720
1.414	-1.158	.01230	.01320	-.00810	.01000	25.00000	-5.08430	.01150	-.00480	-.01150
1.413	2.288	.01880	.01040	-.00530	.01000	25.00000	-5.08430	.00570	-.00480	-.00570
1.412	4.793	.04590	.01320	-.00810	.01000	25.00000	-5.08430	.01150	-.00480	-.01150
1.409	6.848	.05980	.01540	-.00600	.01000	25.00000	-5.08430	.01570	-.00480	-.00720
1.407	7.896	.06230	.01540	-.00600	.01000	25.00000	-5.07590	.01570	-.00480	-.00720
1.403	10.038	.05930	.01540	-.00500	.01000	25.00000	-5.06740	.01570	-.00480	-.00720
1.398	12.044	.05800	.01500	-.00560	.01000	25.00000	-5.06740	.01000	-.00980	-.00150
1.393	15.113	.05720	.01280	-.00770	.01000	25.00000	-5.05900	.00570	-.00980	-.00570
	GRADIENT	.00680	.00000	-.00000	-.00000	.00000	.00000	.00001	.00000	-.00001

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(C2F067) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = -5.000
RN/L = 5.000

PARAMETRIC DATA

RUN NO. 327/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-08	AIL-08	AIL-08
.597	-6.035	5.22580	.01830	-.00810	.01000	25.00000	-5.10970	.01150	-.00470	-.01150
.596	-1.878	5.20020	.01830	-.00810	.01000	25.00000	-5.10970	.01150	-.00470	-.01150
.597	.828	5.13480	.01830	-.00810	.01000	25.00000	-5.11810	.01150	-.00470	-.01150
.597	.042	4.98950	.01830	-.00810	.01000	25.00000	-5.11810	.01150	-.00470	-.01150
.596	.433	5.14750	.01830	-.00810	.01000	25.00000	-5.11810	.01150	-.00470	-.01150
.596	.939	5.21720	.01830	-.00810	.01000	25.00000	-5.11810	.01150	-.00470	-.01150
.596	2.032	5.27050	.01830	-.00810	.01000	25.00000	-5.11810	.01150	-.00470	-.01150
.596	3.092	5.27240	.01830	-.00810	.01000	25.00000	-5.11810	.01150	-.00470	-.01150
.596	4.133	5.25370	.01830	-.00810	.01000	25.00000	-5.11810	.01150	-.00470	-.01150
.596	6.186	5.23490	.01830	-.00810	.01000	25.00000	-5.11810	.01150	-.00470	-.01150
	GRADIENT	.02634	.00000	-.00000	-.00186	-.00000	-.00086	-.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO

LREF = 474.8100 INCHES YMRP = .0000 IN. YO

BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO

SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000

AIRLON = .000 BDFLAP = .000

SPDBRK = 25.000 RUDDER = -5.000

RN/L = 5.000

RUN NO. 348/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AIRLON	BDFLAP	SPDBRK	RUDDER	ELV-1B	AIL-1B	AIL-OB
.798	-6.086	5.30650	.01720	.00150	.02000	25.00000	-5.08430	.02010	.00030	.00280
.799	-1.873	5.27240	.01720	.00150	.01000	25.00000	-5.09280	.02010	.00030	.00280
.798	.046	5.26680	.01720	.00150	.01000	25.00000	-5.10120	.02010	.00030	.00280
.799	.461	5.09110	.01720	.00150	.01000	25.00000	-5.10120	.02010	.00030	.00280
.799	1.022	5.24290	.01720	.00150	.01000	25.00000	-5.10120	.02010	.00030	.00280
.800	2.083	5.32120	.01720	.00150	.00000	25.00000	-5.10970	.02010	.00030	.00280
.799	3.148	5.33930	.01460	.00100	.00000	25.00000	-5.10970	.01500	.00480	.00280
.799	4.189	5.33250	.01460	.00100	.00000	25.00000	-5.10970	.01500	.00480	.00280
.796	6.267	5.31000	.01460	.00100	.00000	25.00000	-5.11810	.01500	.00480	.00280
	GRADIENT	5.32690	.01460	.00100	.00000	25.00000	-5.11810	.01500	.00480	.00280
		.02078	-.00048	-.00046	-.00221	.00000	-.00273	-.00094	-.00094	.00000

RUN NO. 385/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AIRLON	BDFLAP	SPDBRK	RUDDER	ELV-1B	AIL-1B	AIL-OB
.901	-6.114	5.06360	.01040	-.00530	.02000	25.00000	-5.20270	.01500	.00480	-.00570
.903	-1.973	5.06700	.01040	-.00530	.02000	25.00000	-5.20270	.01500	.00480	-.00570
.902	-.920	5.03730	.00750	-.00240	.02000	25.00000	-5.21300	.01500	.00480	.00000
.903	.117	4.97640	.00750	-.00240	.02000	25.00000	-5.20270	.01500	.00480	.00000
.902	.665	4.97160	.00750	-.00240	.02000	25.00000	-5.22330	.01500	.00480	.00000
.902	1.172	5.01610	.00500	-.00500	.02000	25.00000	-5.23360	.00990	.00990	.00000
.900	2.251	4.99240	.00780	-.00780	.02000	25.00000	-5.25420	.00990	.00990	.00570
.901	3.304	4.97080	.01040	-.00530	.02000	25.00000	-5.24390	.01500	.00480	.00570
.901	4.351	4.94790	.00750	-.00240	.02000	25.00000	-5.26460	.01500	.00480	.00000
.899	6.428	4.90760	.00780	-.00780	.02000	25.00000	-5.26460	.00990	.00990	.00570
	GRADIENT	-.01548	-.00008	-.00011	.00000	.00000	-.01016	-.00019	-.00019	-.00004

RUN NO. 412/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AIRLON	BDFLAP	SPDBRK	RUDDER	ELV-1B	AIL-1B	AIL-OB
.951	-6.107	5.29500	.02200	-.00840	.01940	25.00000	-5.34350	.02990	.01970	.00280
.950	-1.939	5.26480	.02200	-.00840	.01940	25.00000	-5.35850	.02990	.01970	.00280
.950	-.900	5.24090	.02420	-.00630	.01940	25.00000	-5.36600	.02990	.01970	.00700
.950	.046	5.19790	.02420	-.00630	.01940	25.00000	-5.36600	.02990	.01970	.00700
.951	.587	5.36710	.02200	-.00840	.00970	25.00000	-5.36600	.02990	.01970	.00280
.951	1.105	5.32610	.02200	-.00840	.00970	25.00000	-5.37350	.02990	.01970	.00280
.950	2.163	5.34180	.02200	-.00840	.00970	25.00000	-5.37350	.02990	.01970	.00280
.950	3.206	5.31830	.02200	-.00840	.00970	25.00000	-5.38100	.02990	.01970	.00280
.950	4.247	5.31240	.02490	-.01130	.00970	25.00000	-5.38100	.02990	.01970	.00280
.950	6.325	5.30180	.02490	-.01130	.00970	25.00000	-5.39600	.02000	.01970	.00300
	GRADIENT	.01395	.00009	-.00052	-.00193	.00000	-.00369	.00000	.00000	-.00103

REFERENCE DATA

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LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = -5.000
RN/L = 5.000

RUN NO. 359/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-OB	AIL-OB	AIL-IB
1.100	-6.081	5.16150	.01470	.00400	.02000	25.00000	-5.07590	.01420	.00520	.00520
1.100	-1.945	5.13420	.01390	.00900	.02000	25.00000	-5.08430	.01280	.00520	.00520
1.099	-.905	5.11580	.01610	.01110	.02000	25.00000	-5.08430	.01700	.00520	.00520
1.100	.168	5.08450	.01180	.00690	.02000	25.00000	-5.09280	.00850	.00520	.00520
1.101	.674	5.10720	.01180	.00690	.02000	25.00000	-5.09280	.00850	.00520	.00520
1.100	1.182	5.13250	.01680	.00610	.02000	25.00000	-5.10120	.01850	.00520	.00520
1.101	2.224	5.11790	.01890	.00830	.02000	25.00000	-5.10120	.02270	.00520	.00520
1.100	3.284	5.10330	.01260	.00190	.01000	25.00000	-5.10970	.01000	.00520	.00520
1.100	4.302	5.09150	.01470	.00400	.00000	25.00000	-5.12660	.01420	.00520	.00520
1.100	6.367	5.06400	.01470	.00400	.00000	25.00000	-5.12660	.01420	.00520	.00520
1.100	GRADIENT	-.00404	.00013	-.00109	-.00174	.00000	-.00407	.00024	.00000	.00000

RUN NO. 365/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-OB	AIL-OB	AIL-IB
1.199	-6.167	5.25820	.01910	.00890	.01000	25.00000	-5.07590	.02300	.00520	.00520
1.201	-2.034	5.25950	.01620	.00600	.01000	25.00000	-5.09280	.01720	.00520	.00520
1.199	-.984	5.25580	.01620	.00600	.01000	25.00000	-5.10120	.01720	.00520	.00520
1.199	.023	5.13070	.01330	.00310	.01000	25.00000	-5.10970	.01150	.00520	.00520
1.201	.699	5.14310	.01330	.00310	.01000	25.00000	-5.10970	.01150	.00520	.00520
1.199	1.159	5.09510	.01330	.00310	.01000	25.00000	-5.10970	.01720	.00520	.00520
1.199	2.208	5.06480	.01620	.00600	.01000	25.00000	-5.11810	.02150	.00520	.00520
1.200	3.253	5.04590	.01830	.00390	.01000	25.00000	-5.12660	.02150	.00010	.00010
1.199	4.290	5.03420	.01580	.00640	.01000	25.00000	-5.13500	.02300	.00520	.00520
1.199	6.361	5.01130	.01910	.00890	.00000	25.00000	-5.13500	.02300	.00520	.00520
1.196	GRADIENT	-.03919	.00023	-.00002	.00000	.00000	-.00453	.00798	-.00052	-.00047

RUN NO. 376/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-OB	AIL-OB	AIL-IB
1.299	-6.095	4.95040	.01820	.00890	.00000	25.00000	-5.05050	.02150	.00480	.00480
1.301	-1.950	4.93580	.01780	.00850	.00000	25.00000	-5.05900	.01570	.00480	.00480
1.299	-.898	4.86390	.01540	.00560	.00000	25.00000	-5.06740	.01000	.00480	.00480
1.297	.149	4.87040	.01500	.00560	.00000	25.00000	-5.06740	.01000	.00480	.00480
1.296	.656	4.87200	.01500	.00560	.00000	25.00000	-5.06740	.00570	.00480	.00480
1.297	1.194	4.84860	.01280	.00770	.00000	25.00000	-5.06740	.00570	.00480	.00480
1.297	2.257	4.82200	.01280	.00770	.00000	25.00000	-5.06740	.00570	.00480	.00480
1.297	3.313	4.80230	.01280	.00770	.00000	25.00000	-5.05900	.00570	.00480	.00480
1.296	4.356	4.78890	.01280	.00770	.00000	25.00000	-5.05900	.00570	.00480	.00480
1.296	6.423	4.76200	.01250	.00310	.00000	25.00000	-5.04210	.01000	.00480	.00480
1.294	GRADIENT	-.02100	-.00077	-.00013	.00000	.00000	.00062	-.00184	-.00033	-.00033

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(C2F067) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

ALPHA =
 AILRON =
 SPOBRK =
 RN/L =

5.000 ELEVON = .000
 .000 BDFLAP = .000
 25.000 RUDDER = -5.000
 5.000

RUN NO. 374/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-1B	AIL-1B	AIL-0B
1.410	-6.161	5.02650	.01780	-.00850	.01000	25.00000	-5.14350	.01570	-.00980	-.00720
1.409	-2.007	5.02410	.01780	-.00850	.01000	25.00000	-5.12660	.01570	-.00980	-.00720
1.405	-.947	5.02090	.01820	-.00890	.01000	25.00000	-5.13500	.02150	-.00480	-.01300
1.405	.107	4.99290	.01820	-.00890	.01000	25.00000	-5.14350	.02150	-.00480	-.01300
1.404	.674	4.99060	.01820	-.00890	.01000	25.00000	-5.13500	.02150	-.00480	-.01300
1.403	1.187	4.98150	.01820	-.00890	.01000	25.00000	-5.13500	.02150	-.00480	-.01300
1.402	2.248	4.91680	.01820	-.00890	.01000	25.00000	-5.13500	.02150	-.00480	-.01300
1.403	3.304	4.89270	.01820	-.00890	.01000	25.00000	-5.09280	.02150	-.00480	-.01300
1.402	4.355	4.87330	.01820	-.00890	.01000	25.00000	-5.05050	.02150	-.00480	-.01300
1.400	6.445	4.84500	.01820	-.00890	.01000	25.00000	-4.98290	.02150	-.00480	-.01300
	GRADIENT	-.02674	.00004	-.00004	.00000	.00000	.01096	.00057	.00049	-.00057

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 328/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-1B	AIL-1B	AIL-0B
.597	-6.007	5.23340	.01830	-.00810	.00000	25.00000	-22.13600	.01150	-.00470	-.01150
.597	-1.850	5.20650	.01830	-.00810	.00000	25.00000	-22.12800	.01150	-.00470	-.01150
.597	-.803	5.13550	.01830	-.00810	.00000	25.00000	-22.11900	.01150	-.00470	-.01150
.598	.050	4.98170	.01580	-.00560	.00000	25.00000	-22.11100	.01150	-.00470	-.01150
.598	.456	5.13650	.01580	-.00560	.00000	25.00000	-22.09400	.01150	.00030	-.01150
.598	.971	5.19770	.01580	-.00560	.00000	25.00000	-22.08500	.01150	.00030	-.01150
.597	2.065	5.24120	.01580	-.00560	.00000	25.00000	-22.08500	.01150	.00030	-.01150
.598	3.126	5.23990	.01580	-.00560	.00000	25.00000	-22.08500	.01150	.00030	-.01150
.598	4.157	5.21990	.02070	-.01050	.00000	25.00000	-22.07700	.01150	.00030	-.01150
.598	6.208	5.19770	.01580	-.00560	.00000	25.00000	-22.06800	.01150	.00030	-.01150
	GRADIENT	.01903	.00013	-.00013	.00000	.00000	.00856	-.00000	-.00027	.00000

AMES 118-1-11 OAI45A 01

(C2F068) (16 JUL 77)

PARAMETRIC DATA

ALPHA =
 AILRON =
 SPOBRK =
 RN/L =

5.000 ELEVON = .000
 .000 BDFLAP = .000
 25.000 RUDDER = -22.800
 5.000

OAI45 TABULATED FORCE DATA

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA =
 AILRON =
 SPOBRK =
 RN/L =

5.000
 .000
 25.000
 5.000

ELEVON =
 BOFLAP =
 RUDDER =

.000
 .000
 -22.800

RUN NO. 389/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-1B	AIL-1B	ELV-0B	AIL-0B
.900	-6.085	5.25130	.02040	-.00680	.02000	25.00000	-22.15300	.01500	-.00480	.02570	-.00870
.901	-1.905	5.21260	.02040	-.00680	.00000	25.00000	-22.16200	.01500	-.00480	.02570	-.00870
.900	-.868	5.18300	.02280	-.00920	.00000	25.00000	-22.14500	.02000	-.00980	.02570	-.00870
.901	-.058	5.13740	.02280	-.00920	.00000	25.00000	-21.76100	.02000	-.00980	.02570	-.00870
.900	.586	5.32690	.02280	-.00920	.00000	25.00000	-22.08500	.02000	-.00980	.02570	-.00870
.902	1.111	5.29590	.02280	-.00920	-.01010	25.00000	-22.07700	.02000	-.00980	.02570	-.00870
.899	2.182	5.27590	.02280	-.00920	-.01010	25.00000	-22.09400	.02000	-.00980	.02570	-.00870
.898	3.222	5.24750	.02280	-.00920	.01000	25.00000	-22.11900	.02000	-.00980	.02570	-.00870
.897	4.264	5.24280	.02280	-.00920	.00000	25.00000	-21.82100	.02000	-.00980	.02570	-.00870
.896	6.339	5.23230	.02530	-.01170	.01000	25.00000	-22.16200	.02490	-.01470	.02570	-.00870
	GRADIENT	.01072	.00024	-.00024	.00033	.00000	.02583	.00050	-.00050	.00000	-.00000

RUN NO. 366/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-1B	AIL-1B	ELV-0B	AIL-0B
1.201	-6.039	5.11530	.01620	-.00600	.01000	25.00000	-22.17900	.01510	.00520	.01720	-.01720
1.200	-1.911	5.09570	.01330	-.00310	.01000	25.00000	-22.19600	.01510	.00520	.01150	-.01150
1.199	-.866	5.08310	.01330	-.00310	.01000	25.00000	-22.18800	.01510	.00520	.01150	-.01150
1.198	.204	5.09950	.01330	-.00310	.00000	25.00000	-22.18800	.01510	.00520	.01150	-.01150
1.200	.675	5.12120	.01330	-.00310	.00000	25.00000	-22.19600	.01020	.01020	.01150	-.01150
1.186	1.186	5.11050	.01080	-.00060	.00000	25.00000	-22.19600	.01000	.00010	.00570	-.00570
1.201	2.228	5.08540	.00790	-.00280	.00000	25.00000	-22.20500	.01000	.00010	.01000	-.00150
1.201	3.267	5.06950	.01000	-.00070	.00000	25.00000	-22.20500	.01000	.00010	.00570	-.00570
1.199	4.303	5.05590	.00790	-.00280	.00000	25.00000	-22.21300	.01000	.00010	.00570	-.00570
1.197	6.371	5.03490	.00790	-.00280	.00000	25.00000	-22.21300	.01000	.00010	.00570	-.00570
1.197	GRADIENT	-.00605	-.00100	.00022	-.00168	.00000	-.00236	-.00109	-.00107	-.00093	.00153

RUN NO. 375/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-1B	AIL-1B	ELV-0B	AIL-0B
1.402	-6.101	4.86870	.01610	-.01100	.01000	25.00000	-22.17900	.01500	-.00480	.01720	-.01720
1.408	-1.935	4.86390	.01610	-.01100	.01000	25.00000	-22.18800	.01500	-.00480	.01720	-.01720
1.407	-.888	4.85180	.01610	-.01100	.00000	25.00000	-22.18800	.01500	-.00480	.01720	-.01720
1.405	.190	4.86860	.01610	-.01100	.00000	25.00000	-22.18800	.01500	-.00480	.01720	-.01720
1.404	.673	4.85820	.01610	-.01100	.01000	25.00000	-22.18800	.01500	-.00480	.01720	-.01720
1.404	1.211	4.83730	.01610	-.01100	.01000	25.00000	-22.18800	.01500	-.00480	.01720	-.01720
1.403	2.269	4.88070	.01610	-.01100	.01000	25.00000	-22.19600	.01500	-.00480	.01720	-.01720
1.402	3.318	4.87970	.01610	-.01100	.00000	25.00000	-22.19600	.01500	-.00480	.01720	-.01720
1.402	4.370	4.86200	.01210	-.00280	.00000	25.00000	-22.19600	.02000	-.00980	.00430	.00430
1.399	6.454	4.83600	.01210	-.00280	.00000	25.00000	-22.18800	.02000	-.00980	.00430	.00430
	GRADIENT	.00219	-.00041	.00085	-.00142	.00000	-.00138	.00052	-.00052	-.00133	.00222

0A145 TABULATED FORCE DATA

DATE 10 MAR 80

ANES 118-1-11 0A145A 01

(C2F069) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 BETA = 5.000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPOBRK = 25.000
RN/L = 5.000

RUN NO. 322/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.598	-15.372	-.01170	5.29430	.01500	-.00060	.00000	25.00000	.02010	.01000	.00030	-.00150
.597	-10.323	-.01030	5.28840	.01500	-.00060	.00000	25.00000	.02010	.01000	.00030	-.00150
.598	-5.118	-.00780	5.28350	.01750	-.00310	.00000	25.00000	.02500	.01000	-.00470	-.00150
.597	-2.541	-.00670	5.28120	.01500	-.00060	.00000	25.00000	.02010	.01000	.00030	-.00150
.597	.077	-.00570	5.28020	.01500	-.00060	.01000	25.00000	.02010	.01000	.00030	-.00150
.597	2.524	-.00550	5.27810	.01500	-.00060	.00000	25.00000	.02010	.01000	.00030	-.00150
.597	4.823	-.00420	5.27070	.01500	-.00060	.00000	25.00000	.02010	.01000	.00030	-.00150
.597	9.601	-.00260	5.26420	.01500	-.00060	.00000	25.00000	.02010	.01000	.00030	-.00150
.597	14.596	-.00030	5.25920	.01500	-.00060	.00000	25.00000	.02010	.01000	.00030	-.00150
.597	18.271	.00210	5.25350	.01500	-.00060	.00000	25.00000	.02010	.01000	.00030	-.00150
.597	23.109	.00019	5.25074	.00000	-.00000	-.00038	.00000	.00000	.00000	.00000	-.00000

RUN NO. 349/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.901	-15.347	.06630	5.36250	.01180	.00180	.02000	25.00000	.01500	.00850	-.00480	.00850
.903	-10.323	.06940	5.35780	.01180	.00180	.02000	25.00000	.01500	.00850	-.00480	.00850
.902	-5.110	.07300	5.35100	.01180	.00180	.02000	25.00000	.01500	.00850	-.00480	.00850
.901	-2.522	.07420	5.34850	.01180	.00180	.02000	25.00000	.01500	.00850	-.00480	.00850
.901	.000	.07650	5.34630	.01180	.00180	.02000	25.00000	.01500	.00850	-.00480	.00850
.901	2.491	.07750	5.34680	.01180	.00180	.02000	25.00000	.01500	.00850	-.00480	.00850
.902	4.873	.07820	5.34570	.01180	.00180	.02000	25.00000	.01500	.00850	-.00480	.00850
.902	9.576	.08000	5.33910	.01180	.00180	.02000	25.00000	.01500	.00850	-.00480	.00850
.901	14.614	.08250	5.33260	.01180	.00180	.02000	25.00000	.01500	.00850	-.00480	.00850
.901	18.271	.08450	5.32870	.01430	.00440	.02000	25.00000	.02010	.00850	.00030	.00850
.901	22.873	.08730	5.32350	.01430	.00440	.01000	25.00000	.02010	.00850	.00030	.00850
.901	GRADIENT	.00053	-.000040	-.00000	.00000	-.00000	.00000	.00000	.00000	-.00000	.00000

(C2F070) (08 JUL 77)

AMES 118-1-11 OAI145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000
RN/L = 5.000

RUN NO. 644/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.598	-5.071	-.03050	.00710	.00220	.00970	.00000	-.12310	.01000	.00430	.00010	.00430
.599	-.101	.00390	.00710	.00220	.00970	.00000	-.12310	.01000	.00430	.00010	.00430
.597	2.413	.00870	.00710	.00220	.00970	.00000	-.12310	.01000	.00430	.00010	.00430
.597	4.970	.03520	.00710	.00220	.00970	.00000	-.12310	.01000	.00430	.00010	.00430
.596	6.994	.02900	.00750	-.00240	.00970	.00000	-.12310	.01500	.00000	-.00480	.00000
.596	8.028	.02710	.00750	-.00240	.00970	.00000	-.12310	.01500	.00000	-.00480	.00000
.595	10.099	.02960	.01390	.00400	.00970	.00000	-.12310	.01500	.01280	-.00480	.01280
.595	12.126	.03290	.01180	.00180	.00970	.00000	-.12310	.01500	.00850	-.00480	.00850
.595	15.126	.04560	.01680	.00110	.00970	.00000	-.12310	.01500	.01850	-.00480	.00700
.596	GRADIENT	.00618	-.00000	-.00000	-.00000	.00000	.00000	-.00000	-.00000	.00000	-.00000

RUN NO. 659/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.801	-5.027	-.03520	.01710	-.00350	.00970	.00000	-.12310	.02000	.01430	-.00980	.00270
.800	-.106	.00370	.01500	-.00560	.01940	.00000	-.11640	.02000	.01000	-.00980	.00150
.799	2.441	.00940	.01500	-.00560	.01940	.00000	-.10960	.02000	.01000	-.00980	.00150
.796	4.977	.03590	.01290	-.00780	.01940	.00000	-.10960	.02000	.00580	-.00980	.00580
.798	7.061	.02520	.00270	-.01790	.01940	.00000	-.10960	.02000	-.01450	-.00980	.02600
.799	8.082	.02700	.01000	-.00490	.00970	.00000	-.10290	.02000	.00000	-.00980	.00000
.799	10.130	.02550	.01290	-.00780	.01940	.00000	-.10290	.02000	.00580	-.00980	.00580
.799	12.149	.02790	.01290	-.00780	.00970	.00000	-.08940	.02000	.00580	-.00980	.00580
.799	15.201	.04480	.01290	-.00780	.00970	.00000	-.09620	.02000	.00580	-.00980	.00580
.800	GRADIENT	.00633	-.00041	-.00043	.00000	.00000	.00134	-.00000	-.00083	.00000	-.00085

RUN NO. 632/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.900	-5.098	-.02890	.02170	-.00390	.00970	.00000	-.10290	.02490	.01850	-.01470	.00700
.899	-.073	.00540	.02460	-.00670	.00970	.00000	-.10290	.02490	.02430	-.01470	.00120
.899	2.444	.01120	.02460	-.00670	.00970	.00000	-.10290	.02490	.02430	-.01470	.00120
.895	5.002	.03930	.02460	-.00670	.01940	.00000	-.10290	.02490	.02430	-.01470	.00120
.901	7.089	.03130	.01960	-.00600	.00970	.00000	-.09620	.02490	.01430	-.01470	.00270
.897	8.109	.02900	.01530	-.01020	.00970	.00000	-.09620	.02490	.00580	-.01470	.00580
.901	10.136	.03000	.01670	-.00310	.00970	.00000	-.08940	.02490	.00850	-.01470	.00850
.901	12.173	.02790	.01960	-.00600	.00970	.00000	-.08270	.02490	.01430	-.01470	.00270
.900	15.213	.03120	.02170	-.00390	.00970	.00000	-.06920	.02490	.01850	-.01470	.00700
.898	GRADIENT	.00230	.00000	.00000	-.00000	.00000	.00000	-.00000	-.00000	.00000	-.00000

OAI145 TABULATED FORCE DATA

ANES 118-1-11 OAI145A 01

DATE 10 MAR 80

(C2F070) (08 JUL 77)

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

BETA = .000 ELEVON = .000
 AIRLON = .000 BOFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 5.000

RUN NO. 623/ 0		RN/L = 4.98		GRADIENT INTERVAL = -5.00/ 5.00						
MACH	ALPHA	BETA	ELEVON	AIRLON	BOFLAP	SPOBRK	RUDDER	ELV-OB	AIR-IB	AIR-OB
.951	-5.265	-.02490	.01790	-.00850	.00970	.00000	-.10960	.01580	-.00980	-.00730
.950	-.104	.00490	.01610	-.01100	.00970	.00000	-.10960	.01730	-.00480	-.01730
.951	2.447	.01400	.01860	-.01350	.00970	.00000	-.10960	.01730	-.00980	-.01730
.951	4.941	.03020	.01330	-.00820	.00970	.00000	-.10290	.01150	-.00480	-.01150
.950	6.982	.03790	.00750	-.00240	.00970	.00000	-.10960	.00000	-.00480	.00000
.950	8.013	.03500	.01610	-.01100	.00970	.00000	-.10290	.01730	-.00480	-.01730
.951	10.043	.03280	.01570	-.01060	.00970	.00000	-.10290	.01150	-.00980	-.01150
.951	12.030	.02970	.01790	-.00850	.00970	.00000	-.10290	.01580	-.00980	-.00730
.949	15.010	.02760	.01860	-.01350	.00970	.00000	-.09620	.01730	-.00980	-.01730
							.00132	-.00115	-.00001	-.00115

RUN NO. 622/ 0		RN/L = 5.00		GRADIENT INTERVAL = -5.00/ 5.00		ELV-OB		AIL-IB		AIL-OB	
MACH	ALPHA	BETA	ELEVON	AIRLON	BOFLAP	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
1.101	-5.091	-.04000	.02460	-.00250	.00970	.00000	-.10960	.01500	.03430	-.00480	-.00030
1.103	-.021	.00730	.02460	-.00250	.00970	.00000	-.10960	.01500	.03430	-.00480	-.00030
1.100	2.488	.01220	.01610	-.01100	.00970	.00000	-.10960	.01500	.01730	-.00480	-.01730
1.101	5.039	.03050	.01610	-.01100	.00970	.00000	-.10960	.01500	.01730	-.00480	-.01730
1.101	7.054	.03210	.01610	-.01100	.00970	.00000	-.10960	.01500	.01730	-.00480	-.01730
1.102	8.035	.02820	.01610	-.01100	.00970	.00000	-.10960	.01500	.01730	-.00480	-.01730
1.101	10.034	.02860	.01610	-.01100	.00970	.00000	-.10960	.01500	.01730	-.00480	-.01730
1.098	12.044	.02540	.01610	-.01100	.00970	.00000	-.10960	.01500	.01730	-.00480	-.01730
1.098	15.046	.02020	.01610	-.01100	.00970	.00000	-.10960	.01500	.01730	-.00480	-.01730
									-.00678	.00000	-.00678

RUN NO. 609/ 0		RN/L = 4.97		GRADIENT INTERVAL = -5.00/ 5.00							
MACH	ALPHA	BETA	ELEVON	AIRLON	BOFLAP	SPDBRK	RUDDER	ELV-OB	AIR-IB	AIR-OB	
1.203	-5.074	-.05150	.01720	.00070	.00970	.00000	-.10290	.02430	.00010	.00120	
1.201	-.068	-.01510	.00710	.00220	.00970	.00000	-.10290	.00430	.00010	.00430	
1.200	2.489	.00140	.01290	-.00360	.00970	.00000	-.10290	.01580	.00010	-.00730	
1.201	4.946	.02410	.01290	-.00360	.00970	.00000	-.10290	.01580	.00010	-.00730	
1.199	7.017	.02280	.01290	-.00360	.00970	.00000	-.10290	.01580	.00010	-.00730	
1.198	8.065	.01990	.01000	-.00070	.00970	.00000	-.10290	.01000	.00010	-.00150	
1.201	10.011	.02190	.00790	-.00280	.00970	.00000	-.10290	.00580	.00010	-.00580	
1.201	11.969	.01280	.00500	.00010	.00970	.00000	-.10290	.00000	.00010	-.00580	
1.198	14.954	.00790	.00790	-.00280	.00970	.00000	-.10290	.00580	.00010	-.00580	
	GRADIENT	.00781	.00116	-.00116	.00000	.00000	.00000	.00231	.00000	-.00233	

0A145 TABULATED FORCE DATA

DATE 10 MAR 80

AMES 118-1-11 0A145A 01

(C2F070) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000
RN/L = 5.000

RUN NO. 600/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
1.404	-5.046	-.04680	.01180	.00690	.00970	.00000	-.09620	.00850	.00520	.00850
1.405	-.022	-.00820	.01290	-.00270	.01940	.00000	-.09620	.00580	.0030	-.00580
1.401	2.505	.00220	.00970	.00470	.01940	.00000	-.09620	.00430	.00520	.00430
1.401	5.096	.03090	.00970	.00470	.01940	.00000	-.09620	.00430	.00520	.00430
1.399	7.119	.02300	.00760	.00260	.02910	.00000	-.09620	.00000	.00520	.00000
1.401	8.153	.01720	.01040	.00030	.01940	.00000	-.09620	.00580	.00520	.00580
1.399	10.183	.01640	.01000	-.00010	.01940	.00000	-.09620	.00000	.0030	.00000
1.401	12.206	.01500	.00750	-.00240	.00970	.00000	-.09620	.00510	.0030	-.00510
1.399	15.225	.00412	-.00127	.00293	.00000	.00000	.00000	-.00059	.00194	.00400

AMES 118-1-11 0A145A 01

(C2F071) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000
RN/L = 5.000

RUN NO. 882/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.597	-5.251	2.05600	.01460	-.00020	.00970	.00000	-.12310	.00430	-.00470	.00430
.597	-.269	2.13490	.02010	-.00050	.00970	.00000	-.12310	.01000	.00040	-.00150
.597	2.315	2.18870	.02010	-.00050	.00970	.00000	-.12310	.01000	.00040	-.00150
.596	4.945	2.21660	.02010	-.00050	.01940	.00000	-.12310	.01000	.00040	-.00150
.598	8.077	2.09970	.02010	-.00050	.01940	.00000	-.12310	.00580	.00040	-.00580
.597	10.089	2.11450	.01790	-.00270	.01940	.00000	-.12310	.01000	.00040	-.00150
.595	12.104	2.12390	.02010	-.00050	.01940	.00000	-.12310	.01000	.00040	-.00150
.597	15.112	2.15710	.02010	-.00050	.01940	.00000	-.12310	.01430	.00040	-.00270
.597	17.040	2.13010	.02220	-.00160	.01940	.00000	-.12310	.01000	.00040	-.00150
.597	19.019	2.11130	.02010	-.00050	.01940	.00000	-.12310	.01000	.00040	-.00150
.595		.01565	.00000	.00000	.00187	.00000	.00000	.00000	.00000	.00000

OAI45 TABULATED FORCE DATA

AMES 118-1-11 OAI45A 01

DATE 10 MAR 80

(C2F071) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPOBRK = .000 RUDDER = .000
 RN/L = 5.000

RUN NO. 883/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.800	-5.269	2.01260	.02010	-.00050	.01940	.00000	-.12310	.01000	.00040	-.00150
.800	-.254	2.09710	.02010	-.00050	.01940	.00000	-.12310	.01000	.00040	-.00150
.800	2.307	2.14520	.02010	-.00050	.01940	.00000	-.12310	.01000	.00040	-.00150
.798	4.928	2.19600	.02010	-.00050	.02910	.00000	-.12310	.01000	.00040	-.00150
.800	8.056	2.10720	.02010	-.00050	.01940	.00000	-.10290	.01000	.00040	-.00150
.802	10.090	2.10820	.02010	-.00050	.01940	.00000	-.08940	.01000	.00040	-.00150
.797	12.103	2.11430	.01790	-.00270	.01940	.00000	-.11640	.00580	.00040	-.00580
.794	15.117	2.14480	.01540	-.00520	.01940	.00000	-.09620	.00580	-.00470	-.00580
.800	17.088	2.17210	.01750	-.00310	.01940	.00000	-.05570	.01000	-.00470	-.00150
.798	19.033	2.15050	.02250	-.00380	.01940	.00000	-.08270	.02000	-.00470	-.00300
	GRADIENT	.01908	.00000	.00000	.00188	.00000	.00000	.00000	.00000	.00000

RUN NO. 884/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.900	-5.277	2.07620	.02290	-.00340	.01940	.00000	-.08940	.01580	.00040	-.00730
.900	-.267	2.13960	.02290	-.00340	.01940	.00000	-.08270	.01580	.00040	-.00730
.902	2.326	2.08860	.02290	-.00340	.01940	.00000	-.04900	.01430	.00040	-.00730
.901	4.934	2.12860	.02220	-.00160	.01940	.00000	-.04220	.01000	.00040	-.00150
.899	8.069	2.09200	.02010	-.00050	.02910	.00000	-.06920	.01000	.00040	-.00150
.901	10.114	2.08950	.01750	-.00310	.02910	.00000	-.04220	.01000	.00040	-.00150
.900	12.150	2.09770	.01960	-.00100	.02910	.00000	-.03550	.01430	-.00470	-.00270
.901	15.130	2.11960	.01960	-.00380	.02910	.00000	-.05570	.02000	-.00470	-.00300
.901	17.119	2.13260	.02250	-.00380	.02910	.00000	-.02870	.01580	-.00470	-.00730
.903	19.079	2.13050	.02040	-.00600	.02910	.00000	-.09620	-.00029	.00000	-.00192
	GRADIENT	-.00210	-.00013	.00096	-.00000	.00000	.00778			

RUN NO. 885/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.950	-5.254	2.05640	.02290	-.00340	.00000	.00000	-.10290	.01580	.00040	-.00730
.948	-.303	2.13810	.02290	-.00340	.00000	.00000	-.10290	.01580	.00040	-.00730
.951	2.290	2.07790	.02510	-.00130	.00000	.00000	-.10290	.02000	.00040	-.00150
.952	4.944	2.12520	.02010	-.00050	.00000	.00000	-.10290	.01000	.00040	-.00270
.952	8.092	2.09850	.02220	-.00160	.00000	.00000	-.08270	.01430	.00040	-.00150
.952	10.143	2.09820	.02010	-.00050	.00000	.00000	-.10290	.01000	.00040	-.00150
.950	12.153	2.10260	.01750	-.00310	.00000	.00000	-.08940	.01000	-.00470	-.00150
.950	15.165	2.12900	.01750	-.00310	.00000	.00000	-.08940	.01000	-.00470	-.00150
.951	17.120	2.15700	.01750	-.00310	.00000	.00000	-.08940	.01000	-.00470	-.00700
.950	19.066	2.08540	.02180	-.00120	.00000	.00000	-.08270	.01850	-.00470	-.00110
	GRADIENT	-.00238	-.00054	.00055	.00000	.00000	.00000	-.00112		

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000
RN/L = 5.000

RUN NO. 645/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-OB	AIL-OB	ELV-IB	AIL-IB
.599	-6.190	.08120	.01180	.00180	.00970	.00000	-.10290	.00850	-.00480	.01500	-.00480
.598	-2.097	-.06140	.01390	.00400	.00970	.00000	-.10960	.01280	-.00480	.01500	-.00480
.597	-1.053	-.09700	.01390	.00400	.00970	.00000	-.10960	.01280	-.00480	.01500	-.00480
.597	.019	-.11650	.01390	.00400	.00970	.00000	-.11640	.01280	-.00480	.01500	-.00480
.597	.537	-.12280	.01390	.00400	.00970	.00000	-.10960	.01280	-.00480	.01500	-.00480
.597	1.056	-.10620	.01390	.00400	.00970	.00000	-.11640	.01280	-.00480	.01500	-.00480
.597	2.113	-.10010	.01390	.00400	.00970	.00000	-.11640	.01280	-.00480	.01500	-.00480
.597	3.153	-.09290	.01390	.00400	.00970	.00000	-.11640	.01280	-.00480	.01500	-.00480
.597	4.186	-.08850	.01390	.00400	.00970	.00000	-.11640	.01280	-.00480	.01500	-.00480
.597	6.244	-.07680	.01390	.00400	.00970	.00000	-.11640	.01280	-.00480	.01500	-.00480
.597	GRADIENT	-.00153	.00000	.00000	.00000	.00000	-.00132	.00000	-.00000	.00000	-.00000

RUN NO. 633/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-OB	AIL-OB	ELV-IB	AIL-IB
.900	-6.258	.09840	.01960	.00600	.00970	.00000	-.06920	.01430	-.01470	.02490	-.01470
.902	-2.120	-.02740	.01750	.00810	.00970	.00000	-.07590	.01000	-.01470	.02490	-.01470
.900	-1.061	-.05930	.01960	.00600	.00970	.00000	-.07590	.01430	-.01470	.02490	-.01470
.900	.023	-.07560	.01960	.00600	.00970	.00000	-.10960	.01430	-.01470	.02490	-.01470
.900	.545	-.07710	.01960	.00600	.00970	.00000	-.10960	.01430	-.01470	.02490	-.01470
.899	1.069	-.05670	.01750	.00810	.00970	.00000	-.11640	.01000	-.01470	.02490	-.01470
.899	2.137	-.05160	.01750	.00810	.00970	.00000	-.11640	.01000	-.01470	.02490	-.01470
.899	3.189	-.05280	.01750	.00810	.00970	.00000	-.11640	.01000	-.01470	.02490	-.01470
.899	4.232	-.05410	.01750	.00810	.00970	.00000	-.11640	.01000	-.01470	.02490	-.01470
.899	6.311	-.05560	.01750	.00810	.00970	.00000	-.11640	.01000	-.01470	.02490	-.01470
.897	GRADIENT	-.00112	-.00023	-.00023	.00000	.00000	-.00692	-.00047	-.00000	.00000	-.00000

RUN NO. 626/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-OB	AIL-OB	ELV-IB	AIL-IB
.949	-6.264	.17330	.01960	.00180	.00970	.00000	-.10290	.02430	-.00480	.01500	-.00480
.954	-2.114	.07540	.01580	.00110	.00970	.00000	-.10960	.01850	-.00480	.01500	-.00480
.951	-1.058	-.05310	.01680	.00110	.00970	.00000	-.10960	.01850	-.00480	.01500	-.00480
.950	.024	-.07350	.01680	.00110	.00970	.00000	-.10960	.01850	-.00480	.01500	-.00480
.950	.545	-.08290	.01680	.00110	.00970	.00000	-.10960	.01850	-.00480	.01500	-.00480
.951	1.067	-.06370	.01680	.00110	.00970	.00000	-.10960	.01850	-.00480	.01500	-.00480
.950	2.135	-.06040	.01680	.00110	.00970	.00000	-.10960	.01850	-.00480	.01500	-.00480
.950	3.186	-.06100	.01680	.00110	.00970	.00000	-.10960	.01850	-.00480	.01500	-.00480
.949	4.233	-.06680	.01680	.00110	.00970	.00000	-.10960	.01850	-.00480	.01500	-.00480
.949	6.317	-.07520	.01680	.00110	.00970	.00000	-.10960	.01850	-.00480	.01500	-.00480
.946	GRADIENT	-.01383	.00000	.00000	.00000	.00000	.00000	.00000	-.00000	.00000	-.00000

DATE 10 MAR 80
OAI45 TABULATED FORCE DATA
AMES 118-1-11 OAI45A 01

(C2F072) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = .000
AILRON = .000
SPOBRK = .000
RN/L = 5.000

RUN NO. 614/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-08	AIL-08	AIL-08
1.203	-5.264	.07450	.02540	-.00750	.00970	.00000	-.08940	.03580	-.00480	-.01030
1.206	-2.118	-.14670	.02250	-.00470	.00000	.00000	-.08940	.03000	-.00480	-.00450
1.203	-1.060	-.17700	.02250	-.00470	.00000	.00000	-.08940	.03000	-.00480	-.00450
1.203	.023	-.19830	.02750	-.00540	.00000	.00000	-.08940	.04000	-.00480	-.00600
1.202	.543	-.20470	.02960	-.00330	.00000	.00000	-.08940	.04430	-.00480	-.00180
1.202	1.066	-.18740	.02540	-.00750	.00970	.00000	-.08940	.03580	-.00480	-.01030
1.203	2.133	-.18550	.01900	-.01390	.00970	.00000	-.08940	.02300	-.00480	-.02300
1.203	3.186	-.18410	.01900	-.01390	.00970	.00000	-.08940	.02300	-.00480	-.02300
1.203	4.234	-.18620	.01900	-.01390	.00970	.00000	-.08940	.02300	-.00480	-.02300
1.198	6.321	-.19450	.01900	-.01390	.00000	.00000	-.09620	.02300	-.00480	-.02300
	GRADIENT	-.00368	-.00098	-.00191	.00203	.00000	-.00000	-.00195	-.00000	-.00383

AMES 118-1-11 OAI45A 01

(C2F073) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000
AILRON = .000
SPOBRK = .000
RN/L = 5.000

RUN NO. 646/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-08	AIL-08	AIL-08
.597	-6.049	5.08090	.01420	-.00060	.00970	.00000	-.10290	.00850	-.00980	.00850
.597	-1.927	5.05980	.01920	-.00560	.00970	.00000	-.10290	.00850	-.01970	.00850
.598	-.879	5.03170	.01920	-.00560	.00970	.00000	-.10960	.00850	-.01970	.00850
.598	.026	4.98140	.01670	-.00310	.00970	.00000	-.10960	.00850	-.01470	.00850
.598	.503	5.10570	.01670	-.00310	.00970	.00000	-.10960	.00850	-.01470	.00850
.598	1.024	5.14580	.01670	-.00310	.00970	.00000	-.11640	.00850	-.01470	.00850
.598	2.095	5.14840	.01670	-.00310	.00970	.00000	-.11640	.00850	-.01470	.00850
.598	3.143	5.13230	.01670	-.00310	.00970	.00000	-.11640	.00850	-.01470	.00850
.598	4.177	5.13190	.01670	-.00310	.00970	.00000	-.11640	.00850	-.01470	.00850
.598	6.236	5.12490	.01670	-.00310	.00970	.00000	-.11640	.00850	-.01470	.00850
	GRADIENT	.02004	-.00042	.00042	.00000	.00000	-.00216	.00000	.00083	.00000

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OAI45 TABULATED FORCE DATA

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(C2F073) (08 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 5.000

RUN NO. 660/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00											
MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	AIL-IB	ELV-OB	AIL-OB
.799	-6.105	5.10360	.01290	-.00780	.01940	.00000	-.07590	.02000	-.00980	.00580	-.00580
.801	-1.953	5.06840	.01290	-.00780	.01940	.00000	-.07590	.02000	-.00980	.00580	-.00580
.799	-.912	5.04700	.01290	-.00780	.01940	.00000	-.08940	.02000	-.00980	.00580	-.00580
.800	.038	4.85690	.01290	-.00780	.01940	.00000	-.08940	.02000	-.00980	.00580	-.00580
.799	.664	5.07340	.01290	-.00780	.01940	.00000	-.09620	.02000	-.00980	.00580	-.00580
.799	1.166	5.09530	.01290	-.00780	.00970	.00000	-.10290	.02000	-.00980	.00580	-.00580
.799	2.204	5.07640	.01920	-.00140	.00970	.00000	-.10290	.02000	-.00980	.01850	.00700
.799	3.246	5.06220	.01710	-.00350	.00970	.00000	-.10290	.02000	-.00980	.01430	.00270
.799	4.286	5.04690	.01710	-.00350	.00970	.00000	-.10290	.02000	-.00980	.01430	.00270
.797	6.353	5.02470	.01710	-.00350	.00970	.00000	-.11640	.02000	-.00980	.01430	.00270
	GRADIENT	.00628	.00096	.00098	-.00207	.00000	-.00412	.00000	-.00000	.00194	.00195
RUN NO. 634/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00											
MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	AIL-IB	ELV-OB	AIL-OB
.899	-6.153	5.18490	.01880	-.00100	.02910	.00000	-.10960	.02490	-.01470	.01280	.01280
.902	-2.033	5.18210	.01670	-.00310	.01940	.00000	-.10960	.02490	-.01470	.00850	.00850
.900	-.992	5.15610	.01460	-.00520	.01940	.00000	-.10960	.02490	-.01470	.00430	.00430
.900	.096	4.93100	.01460	-.00520	.01940	.00000	-.10960	.02490	-.01470	.00430	.00430
.899	.580	4.90900	.01460	-.00520	.01940	.00000	-.10960	.02490	-.01470	.00430	.00430
.900	1.102	4.91200	.01960	-.00600	.00970	.00000	-.10960	.02490	-.01470	.01430	.00270
.899	2.146	4.91220	.01960	-.00600	.00970	.00000	-.10960	.02490	-.01470	.01430	.00270
.899	3.184	4.91250	.01960	-.00600	.00970	.00000	-.10960	.02490	-.01470	.01430	.00270
.899	4.225	4.91130	.02250	-.00890	.01940	.00000	-.10960	.02490	-.01470	.02000	.00300
.899	6.313	4.90350	.01750	-.00810	.00970	.00000	-.11640	.02490	-.01470	.01000	-.00150
	GRADIENT	-.04381	.00115	-.00068	-.00070	.00000	.00000	.00000	-.00000	.00229	-.00135
RUN NO. 627/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00											
MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	AIL-IB	ELV-OB	AIL-OB
.951	-6.176	5.05560	.01040	-.00530	.00970	.00000	-.10290	.01500	-.00480	.00580	-.00580
.951	-2.041	5.06180	.01040	-.00530	.00970	.00000	-.10290	.01500	-.00480	.00580	-.00580
.951	-.992	5.07080	.01040	-.00530	.00970	.00000	-.10960	.01500	-.00480	.00580	-.00580
.950	.069	5.01260	.00750	-.00240	.00970	.00000	-.10960	.01500	-.00480	.00000	.00000
.950	.564	5.04900	.00750	-.00240	.00970	.00000	-.10960	.01500	-.00480	.00000	.00000
.950	1.097	5.04740	.00750	-.00240	.00970	.00000	-.10960	.01500	-.00480	.00000	.00000
.950	2.146	5.03170	.00750	-.00240	.00970	.00000	-.10960	.01500	-.00480	.00000	.00000
.951	3.184	5.02620	.00750	-.00240	.00970	.00000	-.10960	.01500	-.00480	.00000	.00000
.950	4.226	5.02160	.00750	-.00240	.00970	.00000	-.10960	.01500	-.00480	.00000	.00000
.950	6.315	5.00190	.00750	-.00240	.00970	.00000	-.10960	.01500	-.00480	.00000	.00000
.947		-.00664	-.00048	.00048	.00000	.00000	-.00067	.00000	-.00000	-.00096	.00096
	GRADIENT										

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

(C2F073) (08 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPOBRK = .000 RUDDER = .000
 RN/L = 5.000

RUN NO. 621/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
1.102	-6.064	5.10810	.01610	-.01100	.01940	.00000	-.10960	.01500	.01730	-.00480	-.01730
1.101	-1.961	5.08000	.01610	-.01100	.01940	.00000	-.11640	.01500	.01730	-.00480	-.01730
1.101	-.920	5.05500	.01830	-.00890	.01940	.00000	-.11640	.01500	.02150	-.00480	-.01300
1.100	.152	5.07360	.01960	-.00180	.01940	.00000	-.11640	.01500	.02430	-.00480	.00120
1.101	.649	5.09060	.02390	.00250	.00970	.00000	-.11640	.01500	.03280	-.00480	.00970
1.101	1.167	5.07720	.01960	-.00180	.00970	.00000	-.11640	.01500	.02430	-.00480	.00120
1.102	2.215	5.05830	.02420	-.00210	.01940	.00000	-.11640	.02000	.02850	-.00980	.00550
1.100	3.260	5.04400	.01960	-.00180	.00970	.00000	-.11640	.01500	.02430	-.00480	.00120
1.099	4.295	5.03210	.02420	-.00210	.00970	.00000	-.11640	.02000	.02850	-.00980	.00550
1.100	6.360	5.00390	.01250	-.00320	.00970	.00000	-.11640	.01500	.01000	-.00480	-.00150
	GRADIENT	-.00660	.00102	.00128	-.00171	.00000	.00000	.00070	.00135	-.00070	.00326

RUN NO. 613/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
1.203	-6.173	5.16850	.02330	-.00970	.00970	.00000	-.10290	.01500	.03150	-.00480	-.01450
1.204	-2.065	5.14670	.02040	-.00680	.00970	.00000	-.10290	.01500	.02580	-.00480	-.00880
1.200	-1.017	5.15380	.02040	-.00680	.00970	.00000	-.10290	.01500	.02580	-.00480	-.00880
1.203	.041	5.10420	.02000	-.00220	.00000	.00000	-.10290	.01500	.03000	.00010	-.00450
1.202	.553	5.10810	.02250	-.00470	.00000	.00000	-.10290	.01500	.03000	-.00480	-.00450
1.204	1.083	5.10530	.02250	-.00470	.00000	.00000	-.10290	.01500	.03000	-.00480	-.00450
1.202	2.123	5.10600	.02460	-.00250	.00000	.00000	-.10290	.01500	.03430	-.00480	-.00030
1.204	3.166	5.10970	.02680	-.00040	.00000	.00000	-.10290	.01500	.03850	-.00480	.00400
1.201	4.215	5.11200	.03100	-.00380	.00000	.00000	-.10290	.01500	.04700	-.00480	.01250
1.200	6.312	5.11400	.02040	-.00680	.00970	.00000	-.10290	.01500	.02580	-.00480	-.00880
	GRADIENT	-.00629	.00168	.00153	-.00160	.00000	.00000	.00016	.00321	-.00015	.00322

RUN NO. 604/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
1.403	-6.103	5.08250	.01250	-.00320	.01940	.00000	-.10290	.01500	.01000	-.00480	-.00150
1.404	-1.978	5.04980	.01250	-.00320	.01940	.00000	-.10290	.01500	.01000	-.00480	-.00150
1.403	-.932	5.02530	.01250	-.00320	.01940	.00000	-.10290	.01500	.01000	-.00480	-.00150
1.405	.145	5.04240	.01250	-.00320	.01940	.00000	-.10290	.01500	.01000	-.00480	-.00150
1.404	.638	5.05630	.01250	-.00320	.01940	.00000	-.10290	.01500	.01430	-.00480	.00270
1.403	1.161	5.03960	.01460	-.00100	.01940	.00000	-.10290	.01500	.01430	-.00480	.00270
1.402	2.220	5.02000	.01460	-.00100	.01940	.00000	-.10290	.01500	.01430	-.00480	.00270
1.404	3.275	5.00300	.01460	-.00100	.01940	.00000	-.10290	.01500	.01430	-.00480	.00270
1.402	4.319	4.99130	.01460	-.00100	.01940	.00000	-.10290	.01500	.02280	-.00480	.00120
1.400	6.398	4.97350	.01890	.00320	.01940	.00000	-.10290	.01500	.00091	-.00000	.00089
	GRADIENT	-.00866	.00044	.00046	.00000	.00000	.00000	.00000	.00091	-.00000	.00089

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REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPOBRK = .000 RUDDER = .000
RN/L = 5.000

RUN NO. 647/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.600	-6.060	10.07500	.02340	-.00130	.00970	.00000	-.09620	.02990	.01700	-.01970	.01700
.600	-1.034	10.09000	.02130	-.00350	.00970	.00000	-.10960	.02990	.01280	-.01970	.01280
.599	-.971	10.09500	.02130	-.00350	.00970	.00000	-.10960	.02990	.01280	-.01970	.01280
.600	.062	10.10100	.02130	-.00350	.00970	.00000	-.10960	.02990	.01280	-.01970	.01280
.600	.559	10.10600	.02420	-.00630	.00970	.00000	-.10960	.02990	.01850	-.01970	.00700
.600	1.061	10.09200	.01250	-.00320	.00970	.00000	-.10960	.01500	.01000	-.00480	-.00150
.600	2.095	10.10300	.01500	-.00560	.00970	.00000	-.10960	.02000	.01000	-.00980	-.00150
.600	3.126	10.11500	.01250	-.00320	.00970	.00000	-.10960	.01500	.01000	-.00480	-.00150
.599	4.167	10.13200	.01500	-.00560	.00970	.00000	-.10960	.02000	.01000	-.00980	-.00150
.599	6.235	10.13300	.01250	-.00320	.00970	.00000	-.10960	.01500	.01000	-.00480	-.00150
	GRADIENT	.00493	-.00158	-.00024	.00000	.00000	-.00048	-.00250	-.00069	.00250	-.00299

RUN NO. 635/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.899	-6.125	10.08300	.01920	-.00140	.00970	.00000	-.10290	.02000	.01850	-.00980	.01700
.900	-2.024	10.13000	.00970	.00390	.00970	.00000	-.10960	.00510	.01430	.00510	.00270
.900	-.990	10.13000	.00970	.00390	.00970	.00000	-.10960	.00510	.01430	.00510	.00270
.898	.055	10.13700	.00750	.00180	.00970	.00000	-.10960	.00510	.01000	.00510	-.00150
.900	.558	10.14900	.00540	-.00030	.00970	.00000	-.10960	.00510	.00580	.00510	-.00580
.899	1.067	10.13300	.00540	-.00030	.00970	.00000	-.10960	.00510	.00580	.00510	-.00580
.899	2.119	10.14500	.00540	-.00030	.00970	.00000	-.10960	.00510	.00580	.00510	-.00580
.899	3.162	10.15500	.00540	-.00030	.00970	.00000	-.10960	.00510	.00580	.00510	-.00580
.898	4.220	10.17500	.00540	-.00030	.00970	.00000	-.10960	.00510	.00580	.00510	-.00580
.898	6.306	10.17200	.00970	.00390	.01940	.00000	-.10960	.00510	.01430	.00510	.00270
	GRADIENT	.00651	-.00078	-.00076	.00000	.00000	-.00000	.00000	-.00154	.00000	-.00155

RUN NO. 628/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.951	-6.159	9.97660	.01460	-.00100	.00970	.00000	-.09620	.01500	.01430	-.00480	.00270
.951	-2.045	10.02000	.01680	.00110	.00970	.00000	-.09620	.01500	.01850	-.00480	.00700
.949	-1.005	10.01400	.01680	.00110	.01940	.00000	-.10290	.01500	.01850	-.00480	.00700
.950	.046	10.02100	.01680	.00110	.00970	.00000	-.10960	.01500	.01850	-.00480	.00700
.950	.553	10.02900	.01680	.00110	.00970	.00000	-.10960	.01500	.01850	-.00480	.00700
.951	1.066	10.01200	.01680	.00110	.00970	.00000	-.10960	.01500	.02280	-.00480	.01120
.949	2.120	10.02200	.01890	.00320	.00970	.00000	-.10960	.01500	.02280	-.00480	.01120
.950	3.169	10.04000	.01890	.00320	.00970	.00000	-.10290	.01500	.02280	-.00480	.01120
.950	4.229	10.05400	.01890	.00320	.00970	.00000	-.10290	.01500	.02280	-.00480	.01120
.950	6.318	10.04400	.01710	-.00350	.00970	.00000	-.10960	.02000	.01430	-.00980	.00270
.947		.00523	.00044	.00044	-.00064	.00000	-.00060	.00000	.00090	-.00000	.00088

(C2F074) (08 JUL 77)

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REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN. X0
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. Y0
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. Z0
SCALE	=	.0500					

PARAMETRIC DATA

ALPHA	=	10.000	ELEVON	=	.000
AILRON	=	.000	BDFLAP	=	.000
SPDBRK	=	.000	RUDDER	=	.000
RN/L	=	5.000			

RUN NO.	615/ 0	RN/L =	5.05	GRADIENT INTERVAL =	-5.00/	5.00
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MACH	BETA	ALPHA	ELEVON	AILIRON	BDFLAP	SPOBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.201	-6.128	9.92220	.02150	-.01140	.00970	.00000	-.09650	.02300	.02300	.00030	-.02300
1.206	-2.044	9.97220	.01870	-.00850	.00000	.00000	.02300	.02300	.02300	.00030	-.01730
1.202	-1.005	9.98260	.01870	-.00850	.00000	.00000	.10290	.02300	.02300	.00030	-.01730
1.202	.046	10.08300	.01870	-.00850	.00000	.00000	.10290	.02300	.02300	.00030	-.01730
1.201	.545	10.08300	.01610	-.01100	.00000	.00000	.10290	.02300	.02300	.00480	-.01730
1.202	1.059	10.08100	.01900	-.01350	.00000	.00000	.10290	.02300	.02300	.00480	-.02300
1.199	2.127	10.09400	.01900	-.01350	.00000	.00000	.10290	.02300	.02300	.00480	-.02300
1.200	3.177	10.10600	.01900	-.01350	.00000	.00000	.10960	.02300	.02300	.00480	-.02300
1.201	4.242	10.11700	.01900	-.01350	.00000	.00000	.10960	.02300	.02300	.00480	-.02300
1.200	6.326	10.10300	.02110	-.01180	.00000	.00000	.00070	.02730	.02730	.00480	-.01880
CRASH	02309	.00010	.00010	-.00110	.00000	.00000	.00070	.00120	.00120	.00480	-.00120

RUN NO.	605/ 0	RN/L =	4.97	GRADIENT INTERVAL =	-5.00/	5.00
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MACH	BETA	ALPHA	ELEVON	AILERON	BDFLAP	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
1.397	-6.178	9.98890	.01040	-.00530	.01940	.00000	-.10290	.01500	.00580	-.00480	-.00580
1.406	-2.051	9.99270	.01040	-.00530	.01940	.00000	-.10290	.01500	.00580	-.00480	-.00580
1.405	-1.009	10.00100	.01040	-.00530	.01940	.00000	-.10290	.01500	.00580	-.00480	-.00580
1.405	.047	10.01300	.01040	-.00530	.01940	.00000	-.10290	.01500	.00580	-.00480	-.00580
1.405	.557	10.01400	.01040	-.00530	.01940	.00000	-.10290	.01500	.00580	-.00480	-.00580
1.403	1.074	9.99660	.01040	-.00530	.01940	.00000	-.10960	.01500	.00580	-.00480	-.00580
1.402	2.139	10.01900	.01040	-.00530	.01940	.00000	-.10960	.01500	.00580	-.00480	-.00580
1.402	3.195	10.03300	.01040	-.00530	.01940	.00000	-.10960	.01500	.00580	-.00480	-.00580
1.401	4.261	10.04200	.01040	-.00530	.01940	.00000	-.10960	.01500	.00580	-.00480	-.00580
1.401	6.361	10.02500	.01040	-.00530	.01940	.00000	-.10960	.01500	.00580	-.00480	-.00580
GRADIENT	.00735	.00000	.00000	-.00000	.00000	.00000	-.00141	.00000	.00000	-.00000	-.00000

0A145 TABULATED FORCE DATA

DATE 10 MAR 80

(C2F075) (08 JUL 77)

AMES 118-1-11 0A145A 01

REFERENCE DATA										PARAMETRIC DATA									
SREF =	2690.0000	SO.FT.	XMRP	=	1076.6800	IN. XO													
LREF =	474.8100	INCHES	YMRP	=	.0000	IN. YO													
BREF =	936.6800	INCHES	ZMRP	=	375.0000	IN. ZO													
SCALE =	.0500																		
RUN NO. 648/ 0										GRADIENT INTERVAL = -5.00/ 5.00									
MACH	.600	RUDDER	ALPHA	BETA	ELEVON	AIRLON	BOFLAP	SPDBRK	ELV-IB	ELV-OB	AIRL-IB	AIRL-OB							
.600	-14.960		-.07350	.01500	.01000	-.00490	.00970	.00000	.02000	.00000	-.00980	.00000							
.600	-10.718		-.07370	.01630	.01000	-.00490	.00970	.00000	.02000	.00000	-.00980	.00000							
.600	-4.969		-.07340	.01390	.01000	-.00490	.00970	.00000	.02000	.00000	-.00980	.00000							
.600	-2.426		-.07380	.01310	.01000	-.00490	.00970	.00000	.02000	.00000	-.00980	.00000							
.600	-.089		-.07440	.01150	.01000	-.00490	.00970	.00000	.02000	.00000	-.00980	.00000							
.600	2.505		-.07450	.01040	.01250	-.00740	.00970	.00000	.02490	.00000	-.01470	.00000							
.600	5.014		-.07570	.00880	.01250	-.00740	.00970	.00000	.02490	.00000	-.01470	.00000							
.600	10.019		-.07710	.00620	.01250	-.00740	.00970	.00000	.02490	.00000	-.01470	.00000							
.600	14.996		-.07780	.00290	.01250	-.00740	.00970	.00000	.02490	.00000	-.01470	.00000							
.600	18.125		-.07810	.00040	.01250	-.00740	.00970	.00000	.02490	.00000	-.01470	.00000							
.600	22.799		-.07880	-.00340	.01250	-.00740	.00970	.00000	.02490	.00000	-.01470	.00000							
.600	GRADIENT		-.00016	-.00049	.00031	-.00031	.00000	.00000	.00060	.00000	-.00060	.00000							
RUN NO. 636/ 0										GRADIENT INTERVAL = -5.00/ 5.00									
MACH	.901	RUDDER	ALPHA	BETA	ELEVON	AIRLON	BOFLAP	SPDBRK	ELV-IB	ELV-OB	AIRL-IB	AIRL-OB							
.902	-14.993		-.09000	.01580	.01750	-.00430	.01940	.00000	.01000	.02580	.00010	.00880							
.900	-10.762		-.09100	.01330	.01500	-.00140	.01940	.00000	.01000	.02000	.00010	.00300							
.900	-4.939		-.09370	.01210	.01500	-.00140	.00970	.00000	.01000	.02000	.00010	.00300							
.899	-2.442		-.09500	.01180	.01500	-.00140	.00970	.00000	.01000	.02000	.00010	.00300							
.900	-.089		-.09460	.01120	.01500	-.00140	.01940	.00000	.01000	.02000	.00010	.00300							
.900	2.522		-.09600	.01060	.01500	-.00140	.00970	.00000	.01000	.02000	.00010	.00300							
.900	5.024		-.09520	.00980	.01500	-.00140	.00970	.00000	.01000	.02000	.00010	.00300							
.901	10.011		-.09670	.00800	.01500	-.00140	.00970	.00000	.01000	.02000	.00010	.00300							
.899	14.996		-.09820	.00430	.01500	-.00140	.00970	.00000	.01000	.02000	.00010	.00300							
.900	18.116		-.09700	.00090	.01500	-.00140	.01940	.00000	.01000	.02000	.00010	.00300							
.900	22.818		-.09750	-.00290	.01500	-.00140	.00970	.00000	.01000	.02000	.00010	.00300							
.900	GRADIENT		-.00027	-.00021	.00000	.00000	.00036	.00000	.00000	.00000	-.00000	.00000							

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

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(C2F075: (08 JUL 77)

REFERENCE DATA

=	SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN.	XO
=	LREF	=	474.8100	INCHES	YMRP	=	.0000	IN.	YO
=	BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN.	ZO
=	SCALE	=	.0500						

ALPHA
ELEVON
BDFLAP
RN/L

BETA	=	.000
AIRON	=	.000
SPOBRK	=	.000

PARAMETRIC DATA

RUN NO:	629/ 0	RN/L = 5.03	GRADIENT INTERVAL = -5.00/ 5.00
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MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.952	-14.993	-.09420	.00780	.02140	.00070	.01940	.00000	.02000	.02280	-.00980	.01120
.951	-10.745	-.09530	.00600	.02140	.00070	.01940	.00000	.02000	.02280	-.00980	.01120
.953	-4.954	-.09780	.00600	.02140	.00070	.00970	.00000	.02000	.02280	-.00980	.01120
.953	-2.434	-.09780	.00520	.02140	.00070	.00970	.00000	.02000	.02280	-.00980	.01120
.951	-.116	-.06340	-.00340	.02140	.00070	.01940	.00000	.02000	.02280	-.00980	.01120
.952	2.505	-.06410	-.00360	.02140	.00070	.00970	.00000	.02000	.02280	-.00980	.01120
.952	5.024	-.06440	-.00390	.02140	.00070	.00970	.00000	.02000	.02280	-.00980	.01120
.951	10.011	-.06640	-.00530	.02140	.00070	.00970	.00000	.02000	.02280	-.00980	.01120
.951	15.022	-.06570	-.00870	.02140	.00070	.00970	.00000	.02000	.02280	-.00980	.01120
.950	18.107	-.06430	-.01050	.02140	.00070	.01940	.00000	.02000	.02280	-.00980	.01120
.951	22.827	-.06240	-.01370	.01680	-.00180	.00970	.00000	.01490	.02280	-.01490	.01120
GRADIENT		.00535	-.00150	.00000	-.00000	.00035	.00000	.00000	-.00000	.00000	-.00000

RUN NO.	616/ 0	RN/L	5.07	GRADIENT INTERVAL	- 5.00/ 5.00
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[illegible]

REFERENCE DATA

SRF	2630.0000	SQ.FT.	XMRP	1076.6800	IN. X0
BREF	474.8100	INCHES	YMRP	.0000	IN. Y0
BREF	936.6800	INCHES	ZMRP	375.0000	IN. Z0
SCALE	.0500				

PARAMETRIC DATA

ALPHA
ELEVON
BOFLAP
RN/L

5.000	BETA	=	.000
.000	AILRON	=	.000
.000	SPOBRK	=	.000
5.000			

51111	NO	649	0	5.00	GRADIENT INTERVAL =	-5.00	5.00
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MACH	RUDDER	ALPHA	BETA	ELEVON	AILERON	BOFLAP	SPOBRK	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.600	-15.010	4.94220	.04380	.01250	-.00740	.00970	.00000	.02490	.00000	-.01470	.00000
.600	-10.754	4.94010	.04130	.01250	-.00740	.00970	.00000	.02490	.00000	-.01470	.00000
.600	-4.932	4.93950	.03860	.01250	-.00740	.00970	.00000	.02490	.00000	-.01470	.00000
.600	-2.434	4.93970	.03720	.01250	-.00740	.00970	.00000	.02490	.00000	-.01470	.00000
.600	-1.103	4.93980	.03570	.01250	-.00740	.00970	.00000	.02490	.00000	-.01470	.00000
.600	2.513	4.94050	.03290	.01250	-.00740	.00970	.00000	.02990	.00000	-.01970	.00000
.600	4.996	4.94050	.03090	.01490	-.00980	.00970	.00000	.02990	.00000	-.01970	.00000
.600	10.003	4.94280	.02820	.02130	-.00350	.00000	.00000	.02990	.01280	-.01970	.01280
.600	15.014	4.94330	.02540	.02130	-.00350	.00970	.00000	.02990	.01280	-.00980	.01280
.600	18.125	4.94360	.02320	.01640	.00150	.00970	.00000	.02000	.01280	-.00980	.01280
.600	22.827	4.94450	.02050	.00610	.00150	.00970	.00000	.02000	.01280	-.00980	.01280
			.06000	.00010	-.00010	-.00030	.00000	.00041	.00000	-.00041	.00000

BIN NO	RN/L	GRADIENT INTERVAL	-5.00/	5.00
661 / 0	4.99			

MACH	RUDDER	ALPHA	BETA	ELEVON	AILTRON	BDFLAP	SPOBRK	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.800	-14.965	4.96690	.03680	.01680	.00110	.00970	.00000	.01500	.01850	-.00480	.00700
.800	-10.736	4.36690	.03440	.01680	.00110	.01940	.00000	.01500	.01850	-.00480	.00700
.800	-4.902	4.96630	.03190	.01680	.00110	.00970	.00000	.01500	.01850	-.00480	.00700
.800	-2.451	4.96570	.03080	.01680	.00110	.01940	.00000	.01500	.01850	-.00480	.00700
.800	-.123	4.96690	.02900	.01680	.00110	.01940	.00000	.01500	.01850	-.00480	.00700
.800	2.488	4.96720	.02680	.01680	.00110	.00970	.00000	.01500	.01850	-.00480	.00700
.800	5.014	4.96770	.02480	.01680	.00110	.01940	.00000	.01500	.01850	-.00480	.00700
.800	10.003	4.96920	.02170	.01680	.00110	.00970	.00000	.01500	.01850	-.00480	.00700
.800	15.014	4.97030	.01900	.01680	.00110	.00970	.00000	.01500	.01850	-.00480	.00700
.800	18.107	4.97190	.01710	.01680	.00110	.01940	.00000	.01500	.01850	-.00480	.00700
.800	22.827	4.97230	.01440	.01680	.00110	.00970	.00000	.01500	.01850	-.00480	.00700
GRADIENT	.00016		-.00070	-.00000	.00000	-.00003	.00000	.00000	.00000	-.00000	.00000

0A145 TABULATED FORCE DATA

DATE 10 MAR 80

(C2F076) (08 JUL 77)

AMES 118-1-11 0A145A 01

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPDBRK = .000
 RN/L = 5.000

RUN NO. 637/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	AIL-IB	ELV-OB	AIL-OB
.900	-14.976	5.01600	.04090	.00790	-.00280	.01940	.00000	.01000	.00010	.00580	-.00580
.900	-10.736	5.01530	.03910	.00500	.00010	.01940	.00000	.01000	.00010	.00000	.00000
.902	-4.954	5.01430	.03670	.00500	.00010	.00970	.00000	.01000	.00010	.00000	.00000
.900	-2.426	5.01250	.03550	.00500	.00010	.00970	.00000	.01000	.00010	.00000	.00000
.900	-1.103	5.01520	.03480	.01080	-.00570	.01940	.00000	.01000	.00010	.01150	-.01150
.900	2.513	5.01540	.03360	.01080	-.00570	.01940	.00000	.01000	.00010	.01150	-.01150
.900	5.005	5.01600	.03180	.01080	-.00570	.00970	.00000	.01000	.00010	.01150	-.01150
.900	10.019	5.01720	.02860	.01080	-.00570	.00970	.00000	.01000	.00010	.00580	-.00580
.900	15.022	5.01730	.02610	.00790	-.00280	.00970	.00000	.01000	.00010	.00580	-.00580
.900	18.107	5.01710	.02420	.00790	-.00280	.00970	.00000	.01000	.00010	.00580	-.00580
.900	22.808	5.02100	.02170	.00790	-.00280	.00970	.00000	.01000	.00010	.00580	-.00580
.900	GRADIENT	.00024	-.00041	.00093	-.00093	.00036	.00000	.00000	.00000	.00184	-.00184

RUN NO. 630/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	AIL-IB	ELV-OB	AIL-OB
.951	-14.965	4.92330	.03330	.01640	.00150	.00970	.00000	.02000	-.00980	.01280	.01280
.951	-10.736	4.99600	.03700	.01640	.00150	.00970	.00000	.02000	-.00980	.01280	.01280
.952	-4.961	4.99810	.03520	.01640	.00150	.00970	.00000	.02000	-.00980	.01280	.01280
.952	-2.442	4.99750	.03440	.01640	.00150	.00970	.00000	.02000	-.00980	.01280	.01280
.949	-1.110	4.9980	.03390	.01640	.00150	.00970	.00000	.02000	-.00980	.01280	.01280
.950	2.488	4.99530	.03330	.01640	.00150	.00970	.00000	.02000	-.00980	.01280	.01280
.951	5.014	4.99720	.03180	.01640	.00150	.00970	.00000	.02000	-.00980	.01280	.01280
.951	10.011	4.99710	.02820	.01640	.00150	.00970	.00000	.02000	-.00980	.01280	.01280
.951	15.005	4.93990	.02570	.01640	.00150	.00970	.00000	.02000	-.00980	.01280	.01280
.950	18.107	5.01030	.02420	.01640	.00150	.00970	.00000	.02000	-.00980	.01280	.01280
.951	22.827	5.01160	.02190	.01640	-.00100	.00970	.00000	.02490	-.01470	.01280	.01280
.951	GRADIENT	-.00044	-.00025	-.00000	-.00000	-.00119	.00000	-.00000	.00000	.00000	.00000

DATE 10 MAR 80

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(C2F076) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA =
 ELEVON =
 BDFLAP =
 RN/L =

5.000 BETA =
 .000 AILRON =
 .000 SPDBRK =
 5.000

RUN NO. 620/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-OB	AIL-IB	AIL-OB
1.100	-14.993	4.97760	.03090	.02070	-.01140	.01940	.00000	.02150	-.00980	-.01300
1.103	-10.771	4.97800	.03050	.02070	-.01140	.01940	.00000	.02150	-.00980	-.01300
1.101	-4.947	4.98260	.02950	.02070	-.01140	.01940	.00000	.02150	-.00980	-.01300
1.102	-2.434	4.98490	.02880	.02070	-.01140	.01940	.00000	.02150	-.00980	-.01300
1.103	-1.103	4.98530	.02810	.02070	-.01140	.01940	.00000	.02150	-.00980	-.01300
1.101	2.513	4.98510	.02630	.02070	-.01140	.01940	.00000	.02150	-.00980	-.01300
1.103	5.014	4.98560	.02530	.02070	-.01140	.01940	.00000	.02150	-.00980	-.01300
1.101	10.019	4.98630	.02260	.01860	-.01350	.00970	.00000	.01730	-.00980	-.01300
1.102	15.014	4.98770	.02120	.02070	-.01140	.01940	.00000	.02150	-.00980	-.01300
1.102	18.115	4.99240	.02060	.02070	-.01140	.01940	.00000	.02150	-.00980	-.01300
1.103	22.836	4.99530	.01890	.01860	-.01350	.01940	.00000	.01730	-.00980	-.01730
	GRADIENT	.00032	-.00042	-.00000	.00000	-.00002	.00000	-.00000	.00000	.00000

RUN NO. 617/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-OB	AIL-IB	AIL-OB
1.203	-14.976	5.00080	.03120	.02750	-.00540	.00970	.00000	.04000	-.00480	-.00600
1.203	-10.762	4.99760	.03070	.02750	-.00540	.00970	.00000	.04000	-.00480	-.00600
1.204	-4.932	4.99740	.02920	.02750	-.00540	.00970	.00000	.04000	-.00480	-.00600
1.203	-2.426	4.99680	.02870	.02750	-.00540	.00970	.00000	.04000	-.00480	-.00600
1.203	-1.110	4.99760	.02750	.02750	-.00540	.00970	.00000	.04000	-.00480	-.00600
1.203	2.522	4.99720	.02560	.03000	-.00290	.00970	.00000	.04000	-.00480	-.00600
1.202	5.005	4.99610	.02470	.02750	-.00540	.00970	.00000	.04000	-.00480	-.00600
1.203	10.043	4.99900	.02300	.02750	-.00540	.00970	.00000	.04000	-.00480	-.00600
1.202	15.014	5.00020	.02170	.02750	-.00540	.00970	.00000	.04000	-.00480	-.00600
1.204	18.107	5.00370	.02100	.02750	-.00540	.00970	.00000	.04000	-.00480	-.00600
1.203	22.827	5.00520	.01960	.02750	-.00540	.00970	.00000	.04000	-.00480	-.00600
	GRADIENT	.00001	-.00049	.00031	.00031	.00000	.00000	-.00000	.00063	.00000

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(C2F076) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

ALPHA =
 ELEVON =
 BDFLAP =
 RN/L =

BETA = 5.000
 AILRON = .000
 SPDBRK = .000
 5.000

PARAMETRIC DATA

RUN NO. 606/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.407	-14.970	5.03870	.03640	.01250	-.00320	.01940	.00000	.01500	.01000	-.00480	-.00150
1.407	-10.745	5.03750	.03560	.01250	-.00320	.02910	.00000	.01500	.01000	-.00480	-.00150
1.403	-4.932	5.03680	.03410	.01250	-.00320	.01940	.00000	.01500	.01000	-.00480	-.00150
1.404	-2.426	5.03990	.03290	.01250	-.00320	.01940	.00000	.01500	.01000	-.00480	-.00150
1.403	-1.110	5.04060	.03220	.01250	-.00320	.01940	.00000	.01500	.01000	-.00480	-.00150
1.403	2.505	5.04170	.03120	.01250	-.00320	.01940	.00000	.01500	.01000	-.00480	-.00150
1.403	5.014	5.04140	.03060	.01250	-.00320	.02910	.00000	.01500	.01000	-.00480	-.00150
1.402	10.027	5.04410	.02920	.01250	-.00320	.01940	.00000	.01500	.01000	-.00480	-.00150
1.403	15.022	5.04740	.02800	.01250	-.00320	.01940	.00000	.01500	.01000	-.00480	-.00150
1.403	18.116	5.04790	.02710	.01540	-.00600	.02910	.00000	.01580	.01580	-.00480	-.00730
1.403	22.818	5.05120	.02610	.01250	-.00320	.01940	.00000	.01500	.01000	-.00480	-.00150
	GRADIENT	.00038	-.00038	-.00000	.00000	.00000	.00000	-.00000	-.00000	.00000	.00000

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(C2F077) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

ALPHA =
 ELEVON =
 BDFLAP =
 RN/L =

BETA = 10.000
 AILRON = .000
 SPDBRK = .000
 5.000

PARAMETRIC DATA

RUN NO. 650/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.600	-14.965	10.08300	.04300	.01420	-.00060	.00970	.00000	.02000	.00850	-.00980	.00850
.600	-10.754	10.08300	.04000	.01420	-.00060	.00970	.00000	.02000	.00850	-.00980	.00850
.598	-4.924	10.08000	.03660	.01420	-.00060	.00970	.00000	.02000	.00850	-.00980	.00850
.598	-2.434	10.08100	.03460	.01420	-.00060	.00970	.00000	.02000	.00850	-.00980	.00850
.598	-1.103	10.08200	.03280	.01420	-.00060	.00970	.00000	.02000	.00850	-.00980	.00850
.598	2.522	10.08100	.02990	.01420	-.00060	.00970	.00000	.02000	.00850	-.00980	.00850
.598	4.996	10.08200	.02760	.01420	-.00060	.00970	.00000	.02000	.00850	-.00980	.00850
.597	10.027	10.08300	.02350	.01420	-.00060	.00970	.00000	.02000	.00850	-.00980	.00850
.597	14.996	10.08600	.02040	.01420	-.00060	.00970	.00000	.02000	.00850	-.00980	.00850
.597	17.170	10.08600	.01920	.01420	-.00060	.00970	.00000	.02000	.00850	-.00980	.00850
.598	22.818	10.08900	.01560	.01420	-.00060	.00970	.00000	.02000	.00850	-.00980	.00850
	GRADIENT	.00016	-.00092	-.00000	.00000	.00000	.00000	.00000	.00000	-.00000	.00000

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

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(C2F077) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPDBRK = .000
 RN/L = 5.000

RUN NO. 638/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.900	-14.960	10.14000	.03960	.01000	-.00070	.00970	.00000	.01000	.01000	.00010	-.00150
.900	-10.736	10.13500	.03730	.01000	-.00070	.00970	.00000	.01000	.01000	.00010	-.00150
.900	-4.947	10.13700	.03410	.01000	-.00070	.00970	.00000	.01000	.01000	.00010	-.00150
.898	-2.434	10.13600	.03300	.00790	-.00280	.00970	.00000	.01000	.00580	.00010	-.00580
.900	-.103	10.14200	.03200	.01000	-.00070	.00970	.00000	.01000	.01000	.00010	-.00150
.900	2.522	10.13800	.03050	.01000	-.00070	.00970	.00000	.01000	.01000	.00010	-.00150
.900	4.996	10.14300	.02900	.01000	-.00070	.00970	.00000	.01000	.01000	.00010	-.00150
.900	10.003	10.14500	.02570	.01000	-.00070	.00970	.00000	.01000	.01000	.00010	-.00150
.901	15.014	10.15000	.02220	.01000	-.00070	.00970	.00000	.01000	.01000	.00010	-.00150
.898	18.125	10.14500	.02050	.01000	-.00070	.00970	.00000	.01000	.01000	.00010	-.00150
.901	22.808	10.15100	.01770	.01000	-.00070	.00970	.00000	.01000	.01000	.00010	-.00150
	GRADIENT	.00056	-.00051	.00008	.00008	.00000	.00000	.00000	.00017	.00000	.00017

RUN NO. 631/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.951	-14.965	10.11200	.03770	.01960	-.00600	.00970	.00000	.02490	.01430	-.01470	.00270
.952	-10.736	10.00500	.03930	.02170	-.00390	.00970	.00000	.02490	.01850	-.01470	.00700
.952	-4.961	10.00700	.03620	.02170	-.00390	.00970	.00000	.02490	.01850	-.01470	.00700
.951	-2.434	10.00600	.03510	.02170	-.00390	.00970	.00000	.02490	.01850	-.01470	.00700
.950	-.110	10.00400	.03480	.02170	-.00390	.00970	.00000	.02490	.01430	-.01470	.00270
.952	2.522	10.00900	.03380	.01960	-.00600	.00970	.00000	.02490	.01850	-.01470	.00700
.950	4.996	10.00800	.03240	.02170	-.00390	.00970	.00000	.02490	.01850	-.01470	.00700
.952	10.019	10.01800	.02910	.02170	-.00390	.00970	.00000	.02490	.01850	-.01470	.00700
.951	15.014	10.01000	.02590	.02170	-.00390	.00970	.00000	.02490	.01850	-.01470	.00700
.951	18.098	10.01500	.02410	.02170	-.00390	.00970	.00000	.02490	.01850	-.01470	.00270
.950	22.818	10.01500	.02160	.01960	-.00600	.00970	.00000	.02490	.01430	-.01470	-.00018
	GRADIENT	.00021	-.00036	-.00009	-.00009	-.00040	.00000	.00000	-.00017	.00000	.00017

(C2F077) (08 JUL 77)

AMES 118-1-11 DAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPDBRK = .000
 RN/L = 5.000

RUN NO. 518/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.202	-14.965	10.06000	.03230	.02330	-.00970	.01940	.00000	.01500	.03150	-.00480	-.01450
1.203	-10.736	10.05900	.03140	.02290	-.00930	.01940	.00000	.02000	.02580	-.00980	-.00880
1.201	-4.947	10.06000	.02950	.02570	-.01210	.01940	.00000	.02000	.03150	-.00980	-.01450
1.204	-2.426	10.06000	.02870	.02330	-.00970	.01940	.00000	.01500	.03150	-.00480	-.01450
1.204	-1.110	10.06100	.02740	.02570	-.01210	.01940	.00000	.02000	.03150	-.00980	-.01450
1.203	2.531	10.06200	.02590	.02570	-.01210	.01940	.00000	.02000	.02580	-.00980	-.01450
1.202	5.014	10.06200	.02470	.02290	-.00930	.01940	.00000	.02000	.02580	-.00980	-.00880
1.203	10.043	10.06500	.02250	.02040	-.00680	.01940	.00000	.01500	.02580	-.00480	-.00880
1.203	15.014	10.06700	.02120	.02570	-.01210	.02910	.00000	.02000	.03150	-.00980	-.01450
1.202	18.107	10.07000	.02040	.02040	-.00680	.01940	.00000	.01500	.02580	-.00480	-.00880
1.202	22.827	10.07300	.01890	.02330	-.00970	.01940	.00000	.01500	.03150	-.00480	-.01450
GRADIENT		.00028	-.00049	.00009	-.00009	.00000	.00000	.00019	-.00000	-.00019	.00000

RUN NO. 607/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.402	-14.970	9.99500	.02240	.01040	-.00530	.01940	.00000	.01500	.00580	-.00480	-.00580
1.401	-10.745	9.99400	.02140	.01040	-.00530	.02910	.00000	.01500	.00580	-.00480	-.00580
1.402	-4.947	9.99310	.01790	.01040	-.00530	.01940	.00000	.01500	.00580	-.00480	-.00580
1.402	-2.451	9.99380	.01780	.01040	-.00530	.01940	.00000	.01500	.00580	-.00480	-.00580
1.403	-1.103	9.99290	.01720	.01040	-.00530	.01940	.00000	.01500	.00580	-.00480	-.00580
1.403	2.496	9.99510	.01570	.01040	-.00530	.01940	.00000	.01500	.00580	-.00480	-.00580
1.404	5.014	9.99470	.01450	.01040	-.00530	.02910	.00000	.01500	.00580	-.00480	-.00580
1.404	10.027	9.99550	.01220	.01040	-.00530	.01940	.00000	.01500	.00580	-.00480	-.00580
1.403	15.014	10.00000	.01150	.01250	-.00320	.01940	.00000	.01500	.01000	-.00480	-.00150
1.403	18.107	10.00300	.01080	.01250	-.00320	.01940	.00000	.01500	.01000	-.00480	-.00150
1.403	22.827	10.00600	.00980	.01250	-.00320	.01940	.00000	.01500	.01000	-.00480	-.00150
GRADIENT		.00021	-.00029	.00000	-.00000	.00000	.00000	.00000	.00000	.00000	.00000

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REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = .000
 ELEVON = .000
 BOFLAP = .000
 RN/L = 5.00
 BETA = .000
 AILRON = .000
 SPDBRK = .000

RUN NO. 651/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	ELV-08	AIL-08	AIL-08
.598	-14.970	15.13300	.07890	.01420	-.00060	.00970	.00000	.00850	-.00980	.00850
.599	-10.782	15.13600	.07320	.01420	-.00060	.01940	.00000	.00850	-.00980	.00850
.598	-4.954	15.13600	.07110	.01420	-.00060	.00970	.00000	.00850	-.00980	.00850
.598	-2.434	15.13500	.06870	.01640	-.00150	.00970	.00000	.01280	-.00980	.01280
.598	-.110	15.13800	.06560	.01710	-.00350	.00970	.00000	.01430	-.00980	.00270
.598	2.513	15.14200	.06190	.01710	-.00350	.00970	.00000	.01430	-.00980	.00270
.598	5.024	15.14200	.05960	.01420	-.00060	.00970	.00000	.00850	-.00980	.00850
.598	10.003	15.14300	.05380	.01420	-.00060	.00970	.00000	.00850	-.00980	.00850
.598	15.022	15.14700	.04940	.01420	-.00060	.00970	.00000	.00850	-.00980	.00850
.598	18.107	15.14800	.04660	.01420	-.00060	.00970	.00000	.00850	-.00980	.00850
.598	22.818	15.14900	.04340	.01420	-.00060	.00970	.00000	.00850	-.00980	.00850
.598	GRADIENT	.00036	-.00124	.00038	-.00055	.00000	.00000	.00076	.00000	-.00110

RUN NO. 639/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	ELV-08	AIL-08	AIL-08
.900	-14.970	15.20500	.06300	.01220	.00140	.00970	.00000	.01430	.00010	.00270
.900	-10.780	15.20100	.05850	.01430	.00360	.00970	.00000	.01850	.00010	.00700
.900	-4.954	15.20600	.05390	.01430	.00360	.00970	.00000	.01850	.00010	.00700
.901	-2.426	15.20300	.05350	.01220	.00140	.00970	.00000	.01430	.00010	.00270
.899	-.086	15.19900	.05260	.01220	.00140	.00970	.00000	.01430	.00010	.00270
.900	2.488	15.20500	.04990	.01220	.00140	.00970	.00000	.01430	.00010	.00270
.893	5.024	15.20400	.04510	.01220	.00140	.00970	.00000	.01430	.00010	.00270
.901	10.011	15.21200	.04510	.01220	.00140	.00970	.00000	.01430	.00010	.00270
.899	15.014	15.20900	.03950	.01220	.00140	.00970	.00000	.01430	.00010	.00270
.900	18.107	15.21500	.03660	.01220	.00140	.00970	.00000	.01430	.00010	.00270
.900	22.835	15.21800	.03320	.01220	.00140	.00970	.00000	.01430	.00010	.00270
.900	GRADIENT	-.00027	-.00053	-.00026	-.00027	.00037	.00000	-.00051	.00000	-.00052

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REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = .000
RN/L = 5.000

RUN NO. 619/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-1B	ELV-OB	AIL-1B	AIL-OB
1.202	-14.970	15.07800	.04270	.01000	-.00490	.00970	.00000	.02000	.00000	-.00980	.00000
1.201	-10.771	15.07900	.04260	.01000	-.00490	.01940	.00000	.02000	.00000	-.00980	.00000
1.203	-4.917	15.07400	.04070	.01000	-.00490	.00970	.00000	.02000	.00000	-.00980	.00000
1.203	-2.426	15.07900	.03870	.01000	-.00490	.00970	.00000	.02000	.00000	-.00980	.00000
1.204	-1.110	15.07900	.03690	.01000	-.00490	.00970	.00000	.02000	.00000	-.00980	.00000
1.203	2.505	15.08400	.03350	.01000	-.00490	.00970	.00000	.02000	.00000	-.00980	.00000
1.204	5.042	15.08100	.03400	.01000	-.00490	.01940	.00000	.02000	.00000	-.00980	.00000
1.202	10.019	15.08600	.03080	.01000	-.00490	.00970	.00000	.02000	.00000	-.00980	.00000
1.202	15.014	15.08900	.02810	.01000	-.00220	.00970	.00000	.02000	-.00530	-.00980	.00530
1.202	18.116	15.09000	.02700	.00730	-.00220	.01940	.00000	.02000	-.00530	-.00980	.00530
1.202	22.836	15.09500	.02520	.00730	-.00220	.00970	.00000	.02000	-.00530	-.00980	.00530
1.202	GRADIENT	.00123	-.00095	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 608/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-1B	ELV-OB	AIL-1B	AIL-OB
1.395	-14.976	14.97800	.02600	.01460	-.00100	.01940	.00000	.01500	.01430	-.00480	.00270
1.394	-10.727	14.97700	.02370	.01460	-.00100	.02910	.00000	.01500	.01430	-.00480	.00270
1.395	-4.939	14.97400	.02270	.01460	-.00100	.01940	.00000	.01500	.01430	-.00480	.00270
1.396	-2.426	14.97700	.02120	.01460	-.00100	.01940	.00000	.01500	.01430	-.00480	.00270
1.395	-1.110	14.98000	.01910	.01460	-.00100	.01940	.00000	.01500	.01430	-.00480	.00270
1.395	2.505	14.98300	.01690	.01460	-.00100	.00970	.00000	.01500	.01430	-.00480	.00270
1.395	5.014	14.97800	.02040	.01460	-.00100	.01940	.00000	.01500	.01430	-.00480	.00270
1.396	10.019	14.98800	.01160	.01460	-.00100	.00970	.00000	.01500	.01430	-.00480	.00270
1.395	15.005	14.98600	.01310	.01460	-.00100	.01940	.00000	.01500	.01430	-.00480	.00270
1.397	18.134	14.98200	.01500	.01460	-.00100	.01940	.00000	.01500	.01430	-.00480	.00270
1.395	22.836	14.99100	.01000	.01460	-.00100	.01940	.00000	.01500	.01430	-.00480	.00270
1.395	GRADIENT	.00122	-.00079	.00000	.00000	-.00120	.00000	-.00000	-.00000	.00000	.00000

OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000
AILRON = .000
SPDBRK = .000
RUDDER = .000
ELEVON = .000
BOFLAP = .000
RUDDER = -5.000

RUN NO. 852/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.598	-5.064	-.00880	.01420	-.00060	.00970	.00000	-4.93150	.02000	.00850	-.00980	.00850
.600	-.070	.00670	.01710	-.00350	.00970	.00000	-4.87910	.02000	.01430	-.00980	.00270
.597	2.440	.01140	.01420	-.00060	.00970	.00000	-4.96900	.02000	.00850	-.00980	.00850
.596	4.903	.03830	.01420	-.00060	.00970	.00000	-4.94650	.02000	.00850	-.00980	.00850
.598	6.992	.03560	.01500	-.00560	.00970	.00000	-4.94650	.02000	.01000	-.00980	-.00150
.597	8.044	.03500	.01210	-.00280	.00970	.00000	-4.96150	.02000	.00430	-.00980	.00430
.598	10.100	.03470	.01000	-.00490	.00970	.00000	-4.91660	.02000	.00000	-.00980	.00000
.597	12.122	.04060	.01420	-.00060	.00970	.00000	-4.90160	.02000	.00850	-.00980	.00850
.598	15.144	.05720	.01420	-.00060	.00970	.00000	-4.96150	.02000	.00850	-.00980	.00850
	GRADIENT	.00634	-.00058	.00058	.00000	.00000	-.01362	-.00000	-.00117	.00000	.00117

RUN NO. 640/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.900	-5.118	-.02600	.01000	-.00070	.00970	.00000	-4.93900	.01000	.01000	.00010	.00150
.899	-.104	.00590	.01220	.00140	.00970	.00000	-4.93150	.01000	.01430	.00010	.00270
.900	2.447	.01020	.01220	.00140	.00970	.00000	-4.93150	.01000	.01430	.00010	.00270
.900	4.994	.04030	.01430	.00360	.00970	.00000	-4.93900	.01000	.01850	.00010	.00700
.899	7.128	.02520	.00930	.00430	.00970	.00000	-4.93150	.01000	.00850	.00010	.00850
.898	8.069	.02760	.01220	.00140	.00970	.00000	-4.93900	.01000	.01430	.00010	.00270
.899	10.117	.02940	.00710	.00220	.00970	.00000	-4.96150	.01000	.00430	.00010	.00430
.901	12.151	.02950	.01000	-.00070	.00970	.00000	-4.95400	.01000	.01000	.00010	-.00150
.900	15.204	.03770	.01220	.00140	.00970	.00000	-4.93150	.01000	.01430	.00010	.00270
	GRADIENT	.00675	.00041	.00043	.00000	.00000	-.00147	-.00000	.00082	-.00000	.00084

RUN NO. 624/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.950	-5.060	-.03590	.02000	-.00640	.00000	.00000	-4.95400	.02000	.02000	-.00980	.00300
.952	-.016	.00650	.01330	-.00820	.00000	.00000	-4.94650	.01500	.01150	-.00480	-.01150
.951	2.439	.01980	.01330	-.00820	.00000	.00000	-4.95400	.01500	.01150	-.00480	-.01150
.952	4.921	.03000	.01540	-.00600	.00000	.00000	-4.93900	.01500	.01580	-.00480	-.00730
.950	6.959	.03990	.01330	-.00820	.00000	.00000	-4.96150	.01500	.00580	-.00480	-.00580
.951	7.992	.03610	.01040	-.00530	.00000	.00000	-4.96150	.01500	.00580	-.00480	-.00580
.949	10.017	.03470	.01330	-.00820	.00970	.00000	-4.95400	.01500	.01150	-.00480	-.01150
.951	12.024	.03020	.01330	-.00820	.00970	.00000	-4.96900	.01500	.01150	-.00480	-.01150
.950	15.008	.02920	.01250	-.00320	.00970	.00000	-4.98400	.01500	.01000	-.00480	-.00150
	GRADIENT	.00476	.00043	.00045	.00000	.00000	.00153	-.00000	.00087	.00000	.00085

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(C2F079) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1075.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 610/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-1B	AIL-1B	ELV-OB	AIL-OB
1.203	-5.094	-.04590	.00830	-.00320	.00970	.00000	-4.96900	.00510	.00510	.01150	-.01150
1.204	-.036	-.00750	.00830	-.00320	.00970	.00000	-4.96900	.00510	.00510	.01150	-.01150
1.200	2.553	.00230	.00000	.00000	.00970	.00000	-4.96900	.00510	.00510	.00510	-.00510
1.198	5.040	.03210	.00830	-.00320	.00970	.00000	-4.96150	.00510	.00510	.01150	-.01150
1.198	7.095	.02420	.00830	-.00320	.00970	.00000	-4.95400	.00510	.00510	.01150	-.01150
1.199	8.144	.02110	.00540	-.00030	.00970	.00000	-4.94650	.00510	.00510	.00580	-.00580
1.197	10.103	.02360	.00290	-.00290	.00970	.00000	-4.93900	.00510	.00510	.00070	-.01080
1.198	12.096	.01490	.00000	.00000	.00970	.00000	-4.92400	.00510	.00510	-.00510	-.00510
1.199	15.027	.01560	.00260	.00260	.00970	.00000	-4.93150	.01020	.01020	-.00510	-.00510
	GRADIENT	.00378	-.00321	.00124	.00000	.00000	.00000	-.00000	-.00000	-.00641	.00247

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPOBRK = .000 RUDDER = -5.000
 RN/L = 5.000

RUN NO. 601/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-1B	AIL-1B	ELV-OB	AIL-OB
1.396	-5.000	-.03940	.00970	.00470	.00970	.00000	-4.93900	.01510	.00520	.00430	.00430
1.400	.053	-.00250	.01220	.00230	.00970	.00000	-4.94650	.02010	.00330	.00430	.00430
1.403	2.545	.00450	.00970	.00470	.00970	.00000	-4.93150	.01510	.00520	.00430	.00430
1.399	5.087	.03470	.01000	.00010	.00970	.00000	-4.93150	.02010	.00330	.00000	.00000
1.399	7.175	.02840	.01000	.00010	.00970	.00000	-4.93150	.02010	.00330	.00000	.00000
1.400	8.202	.02440	.00750	-.00240	.00970	.00000	-4.91500	.01500	.00330	.00000	.00000
1.397	10.250	.02150	.01290	-.00270	.00970	.00000	-4.91660	.02010	.00330	.00580	-.00580
1.397	12.290	.01640	.00750	-.00240	.00970	.00000	-4.82670	.01500	.00330	.00000	.00000
1.397	15.272	.02460	.00500	-.00490	.00970	.00000	-4.94650	.01500	.00330	-.00510	-.00510
	GRADIENT	.00281	-.00100	.00096	.00000	.00000	.00602	-.00201	.00197	.00000	.00000

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OAI45 TABULATED FORCE DATA

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(C2F080) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = .000 RUDDER = -5.000
 RN/L = 5.000

RUN NO. 653/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.598	-6.051	5.08080	.01210	-.00280	.00970	.00000	-4.90160	.00430	-.00980	.00430
.597	-1.917	5.05800	.01210	-.00280	.00970	.00000	-4.93150	.00430	-.00980	.00430
.598	-.872	5.02950	.01210	-.00280	.00970	.00000	-4.97650	.00430	-.00980	.00430
.598	.006	4.91170	.01210	-.00280	.00970	.00000	-4.96900	.00430	-.00980	.00430
.598	.499	5.12230	.01210	-.00280	.00970	.00000	-4.93900	.00430	-.00980	.00430
.597	1.032	5.13650	.01210	-.00280	.00000	.00000	-4.93900	.00430	-.00980	.00430
.597	2.102	5.13260	.01210	-.00280	.00970	.00000	-4.95400	.00430	-.00980	.00430
.598	3.148	5.11600	.01210	-.00280	.00970	.00000	-4.93900	.00430	-.00980	.00430
.597	4.179	5.11490	.01210	-.00280	.00970	.00000	-4.93900	.00430	-.00980	.00430
.597	6.238	5.10700	.01210	-.00280	.00970	.00000	-4.94650	.00430	-.00980	.00430
.598		.01896	.00000	-.00000	-.00000	.00000	.00163	.00000	-.00000	.00000

RUN NO. 641/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.902	-6.112	4.90180	.01000	-.00070	.00970	.00000	-4.93150	.01000	.00010	-.00150
.901	-1.952	4.88370	.01000	-.00070	.00970	.00000	-4.93900	.01000	.00010	-.00150
.900	-.902	4.87370	.01000	-.00070	.00970	.00000	-4.93150	.01000	.00010	-.00150
.900	.158	4.91470	.01000	-.00070	.00970	.00000	-4.93150	.01000	.00010	-.00150
.900	.638	4.89420	.01000	-.00070	.00970	.00000	-4.93150	.01000	.00010	-.00150
.900	1.163	4.88640	.01000	-.00070	.00970	.00000	-4.93900	.01000	.00010	-.00150
.899	2.215	4.86470	.01000	-.00070	.00970	.00000	-4.93900	.01000	.00010	-.00150
.899	3.264	4.84940	.01000	-.00070	.00970	.00000	-4.95400	.01000	.00010	-.00150
.898	4.302	4.83450	.01000	-.00070	.00970	.00000	-4.96150	.01000	.00010	-.00150
.895	6.375	4.80280	.01000	-.00070	.00970	.00000	-4.96150	.01000	.00000	-.00000
		-.00869	.00000	-.00000	.00000	.00000	-.00239	.00000	.00000	-.00000

RUN NO. 625/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.950	-6.137	5.07650	.01040	-.00530	.00970	.00000	-4.93900	.01500	-.00480	-.00580
.952	-2.039	5.06930	.01250	-.00320	.00970	.00000	-4.94650	.01500	-.00480	-.00150
.951	-.988	5.07490	.01250	-.00320	.00970	.00000	-4.95400	.01500	-.00480	-.00150
.950	.072	5.01290	.01460	-.00100	.00970	.00000	-4.96900	.01500	-.00480	.00270
.950	.576	5.03040	.01460	-.00100	.00970	.00000	-4.96150	.01500	-.00480	.00270
.950	1.109	5.02220	.01460	-.00100	.00970	.00000	-4.97650	.01500	-.00480	.00270
.950	2.151	5.02130	.01460	-.00180	.00970	.00000	-4.96900	.01500	-.00480	.00850
.949	3.185	5.01790	.01390	.00400	.00970	.00000	-4.96900	.01500	-.00480	.01280
.950	4.225	5.01210	.01390	.00400	.00970	.00000	-4.98400	.01500	-.00480	.01280
.947	6.313	4.99700	.01390	.00400	.00970	.00000	-4.98400	.01500	-.00480	.00215
		-.00943	.00008	.00108	.00000	.00000	-.00415	.00000	.00000	.00000

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(C2F080) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 611/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
1.204	-6.098	5.10690	.00800	.00220	.00970	.00000	-4.93900	.00580	.01020	-.00580
1.204	-1.950	5.06880	.00510	.00000	.00970	.00000	-4.93900	.00000	.01020	.00000
1.201	-.910	5.04620	.00250	.00250	.00970	.00000	-4.95400	.00000	.00510	.00000
1.202	.155	5.06480	.00250	.00250	.00970	.00000	-4.95400	.00000	.00510	.00000
1.200	.653	5.08950	.00250	.00250	.00970	.00000	-4.94650	.00000	.00510	.00000
1.203	1.163	5.07500	.00250	.00250	.00970	.00000	-4.95400	.00000	.00510	.00000
1.201	2.212	5.05090	.00470	.00470	.00970	.00000	-4.94650	.00430	.00510	.00430
1.201	3.258	5.03540	.00680	.00680	.00970	.00000	-4.95400	.00850	.00510	.00850
1.200	4.298	5.02350	.00250	.00250	.00970	.00000	-4.96150	.00000	.00510	.00000
1.198	6.367	5.00350	.00250	.00250	.00970	.00000	-4.96150	.00000	.00510	.00000
	GRADIENT	-.00640	.00012	.00012	.00000	.00000	-.00213	.00075	-.00051	.00075

PARAMETRIC DATA

ALPHA = .000
 AILRON = .000
 SPOBRK = .000
 RUDDER = -5.000
 ELEVON = 5.000
 BDFLAP = .000
 RUDDER = -5.000

FUN NO. 602/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
1.404	-6.144	5.08200	.01460	-.00100	.01940	.00000	-4.93900	.01430	-.00480	.00270
1.405	-1.968	5.04650	.01460	-.00100	.01940	.00000	-4.94650	.01430	-.00480	.00270
1.403	-.924	5.02200	.01040	-.00530	.01940	.00000	-4.95400	.00580	-.00480	-.00580
1.402	.156	5.03410	.01040	-.00530	.01940	.00000	-4.95400	.00580	-.00480	-.00580
1.403	.648	5.04330	.01040	-.00530	.01940	.00000	-4.95400	.00580	-.00480	-.00580
1.402	1.169	5.03120	.00960	-.00030	.01940	.00000	-4.94650	.00430	-.00480	.00430
1.403	2.226	5.01080	.00960	-.00030	.01940	.00000	-4.93150	.00430	-.00480	.00430
1.402	3.277	4.99520	.00960	-.00030	.01940	.00000	-4.93150	.00430	-.00480	.00430
1.403	4.326	4.98380	.01180	.00180	.00970	.00000	-4.98890	.00850	-.00480	.00850
1.400	6.404	4.96520	.01600	.00610	.01940	.00000	-4.97650	.01700	-.00480	.01700
	GRADIENT	-.00934	-.00036	.00084	-.00100	.00000	-.00301	-.00073	-.00000	.00172

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OAI45 TABULATED FORCE DATA
AMES 118-1-11 OAI45A 01

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(C2F081) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BOFLAP = .000
SPDBRK = .000 RUDDER = -22.800
RN/L = 5.000

RUN NO. 654/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-08	AIL-08
.598	-6.048	5.03170	.01210	-.00280	.00970	.00000	-22.74700	.00430	.00430
.598	-1.896	5.06210	.01210	-.00280	.00970	.00000	-22.74700	.00430	.00430
.598	-.853	5.02960	.01210	-.00280	.00970	.00000	-22.74700	.00430	.00430
.598	.041	4.96050	.01460	-.00520	.00970	.00000	-22.74700	.00430	.00430
.598	.533	5.10640	.01460	-.00520	.00970	.00000	-22.74700	.00430	.00430
.598	1.057	5.15370	.01460	-.00520	.00970	.00000	-22.74700	.00430	.00430
.598	2.124	5.15650	.01460	-.00520	.00970	.00000	-22.74700	.00430	.00430
.598	3.168	5.14410	.01460	-.00520	.00970	.00000	-22.74700	.00430	.00430
.598	4.196	5.14340	.01250	-.00740	.00970	.00000	-22.73900	.00000	.00000
.597	6.252	5.13430	.01250	-.00740	.00970	.00000	-22.73900	.00000	.00000
	GRADIENT	.02314	.00019	-.00064	.00000	.00000	.00087	-.00047	-.00047

RUN NO. 642/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-08	AIL-08
.900	-6.073	4.90100	.01000	-.00070	.00970	.00000	-22.75600	.01000	.00150
.901	-1.930	4.90020	.01000	-.00070	.00970	.00000	-22.75600	.01000	.00150
.899	-.879	4.88730	.01000	-.00070	.01940	.00000	-22.75600	.01000	.00150
.900	.186	4.92130	.01000	-.00070	.01940	.00000	-22.75600	.01000	.00150
.900	.666	4.90020	.01000	-.00070	.01940	.00000	-22.75600	.01000	.00150
.899	1.193	4.89540	.01000	-.00070	.01940	.00000	-22.75600	.01000	.00150
.900	2.238	4.87410	.01000	-.00070	.00970	.00000	-22.75600	.01000	.00150
.899	3.281	4.85990	.01000	-.00070	.00970	.00000	-22.75600	.01000	.00150
.898	4.319	4.84620	.01000	-.00070	.00970	.00000	-22.75600	.01000	.00150
.899	6.392	4.81350	.01000	-.00070	.01940	.00000	-22.76400	.01000	.00150
	GRADIENT	-.00922	.00000	-.00000	-.00072	.00000	-.00000	.00000	.00000

RUN NO. 612/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-08	AIL-08
1.205	-6.054	5.11750	.00250	.00250	.00970	.00000	-22.73900	.00000	.00000
1.204	-1.929	5.09260	.00680	.00680	.00970	.00000	-22.73900	.00850	.00850
1.202	-.893	5.07010	.00680	.00680	.00970	.00000	-22.73900	.00850	.00850
1.202	.092	4.77710	.01150	.01150	.00970	.00000	-22.74700	.01700	.01700
1.203	.652	4.59490	.01100	.01100	.00970	.00000	-22.74700	.02130	.02130
1.203	1.133	4.58540	.01320	.01320	.00000	.00000	-22.74700	.00430	.00430
1.201	2.137	5.11100	.00470	.00470	.00000	.00000	-22.74700	.00430	.00430
1.200	3.174	5.11570	.00470	.00470	.00000	.00000	-22.74700	.00850	.00850
1.202	4.215	5.12330	.00680	.00680	.00000	.00000	-22.74700	.00510	.00510
1.199	6.313	5.12730	.01530	.01530	.00000	.00000	-22.74700	.00510	.00510
	GRADIENT	.02382	-.00043	-.00043	-.00210	.00000	-.00135	-.00059	-.00017

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(CF081) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 603/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPOBRK = .000 RUDDER = -22.800
 RN/L = 5.000

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.400	-5.102	5.08850	.01890	.00320	.01940	.00000	-22.73900	.01500	.02280	-.00480	.01120
1.403	-1.957	5.05860	.01890	.00320	.01940	.00000	-22.73100	.01500	.02280	-.00480	.01120
1.403	-.910	5.03400	.01390	.00400	.01940	.00000	-22.73100	.01500	.01280	-.00480	.01280
1.402	.164	5.05310	.01600	.00610	.01940	.00000	-22.73100	.01500	.01700	-.00480	.01700
1.403	.663	5.06180	.01600	.00610	.01940	.00000	-22.73100	.01500	.01700	-.00480	.01700
1.403	1.186	5.04910	.01600	.00610	.01940	.00000	-22.73100	.01500	.01700	-.00480	.01700
1.403	2.239	5.02860	.01600	.00610	.01940	.00000	-22.73100	.01500	.01700	-.00480	.01700
1.403	3.285	5.01310	.01600	.00610	.00970	.00000	-22.73100	.01500	.02130	-.00480	.02130
1.402	4.332	5.00210	.01810	.00820	.00970	.00000	-22.73100	.01500	.02550	-.00480	.02550
1.402	6.410	4.98310	.02030	.01030	.00970	.00000	-22.73100	.01500	.00014	-.00000	.00130
1.402	GRADIENT	-.00838	.00007	.00064	-.00168	.00000	-.00000	.00000			

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 662/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

AMES 118-1-11 OAI45A 01

(CF082) (08 JUL 77)

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = -11.700
 SPOBRK = .000 RUDDER = .000
 RN/L = 5.000

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.397	-5.052	-.02740	.01920	-.00140	-11.64200	.00000	-.09620	.02000	.01850	-.00980	.00700
.397	-.099	.00020	.01710	-.00350	-11.64200	.00000	-.10290	.02000	.01430	-.00980	.00270
.397	2.419	.00480	.01500	-.00560	-11.64200	.00000	-.10290	.02000	.01000	-.00980	-.00150
.397	4.925	.03460	.01290	-.00780	-11.64200	.00000	-.10290	.02000	.00580	-.00980	-.00580
.396	6.963	.03220	.01500	-.00560	-11.64200	.00000	-.10290	.02000	.01000	-.00980	-.00150
.396	7.966	.04060	.02350	.00290	-11.64200	.00000	-.10290	.02000	.02700	-.00980	.01550
.396	10.013	.05020	.02350	.00290	-11.64200	.00000	-.10290	.02000	.02700	-.00980	.01550
.397	15.116	.07450	.02140	.00070	-11.64200	.00000	-.10290	.02000	.02280	-.00980	.01120
	GRADIENT	.00684	-.00084	-.00085	-.00000	.00000	.00000	-.00000	-.00169	.00000	-.00169

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OAI45 TABULATED FORCE DATA
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PAGE 1104
(C2F082) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

RUN NO. 657/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-08	AIL-08	AIL-0B
.599	-4.913	-0.02100	.01250	-.00740	-11.64200	.00000	-.10290	.00000	-.01470	.00000
.600	.006	.00510	.00750	-.00740	-11.64200	.00000	-.10290	-.00510	-.00980	-.00510
.598	2.457	.01090	.00490	-.00990	-11.64200	.00000	-.10290	-.01010	-.00980	-.01010
.597	4.962	.03600	.00240	-.01250	-11.64200	.00000	-.10290	-.01520	-.00980	-.01520
.596	7.021	.03170	.01210	-.00280	-11.64200	.00000	-.09620	.00430	-.00980	.00430
.597	8.044	.03200	.01210	-.00280	-11.64200	.00000	-.09620	.00430	-.00980	.00430
.597	10.096	.03030	.01210	-.00280	-11.64200	.00000	-.09620	.00430	-.00980	.00430
.598	15.145	.05290	.01500	-.00560	-11.56600	.00000	-.10960	.01000	-.00980	.00150
	GRADIENT	.00543	-.00103	-.00050	-.00000	.00000	-.00000	-.00153	.00051	-.00153

AMES 118-1-11 OAI45A 01

(C2F083) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

RUN NO. 663/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-08	AIL-08	AIL-0B
.397	-5.007	18.79700	.01850	.00360	-11.64200	.00000	-.10290	.01700	-.00980	.01700
.396	-3.993	18.79300	.01850	.00360	-11.64200	.00000	-.10290	.01700	-.00980	.01700
.396	-1.920	18.31400	.01850	.00360	-11.64200	.00000	-.10290	.02280	-.00980	.01200
.396	-.884	18.31500	.02140	.00070	-11.64200	.00000	-.10290	.02280	-.00980	.01120
.397	.144	18.82100	.02140	.00070	-11.64200	.00000	-.10290	.02280	-.00980	.01120
.397	1.173	18.60600	.02140	.00070	-11.64200	.00000	-.10290	.02280	-.00980	.01120
.397	2.191	18.73900	.02140	.00070	-11.64200	.00000	-.10290	.01850	-.00980	.00700
.397	4.255	18.76700	.01920	-.00140	-11.64200	.00000	-.10290	.01850	-.00980	.00700
.397	5.287	18.74900	.01920	-.00140	-11.64200	.00000	-.10960	.00041	-.00980	.00000
	GRADIENT	-.00375	.00020	-.00060	-.00000	.00000	-.00000	.00000	.00000	-.00119

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(C2F083) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

ALPHA =
 AILRON =
 SPDBRK =
 RN/L =

19.000 ELEVON = .000
 .000 BDFLAP = -11.700
 .000 RUDDER = .000
 5.000

RUN NO. 658/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-1B	ELV-08	AIL-1B	AIL-08
.597	-5.019	19.10500	.01530	-.01020	-11.64200	.00000	-.04900	.02490	.00580	-.01470	-.00580
.598	-4.000	19.11900	.01290	-.00780	-11.65300	.00000	-.04220	.02000	.00580	-.00980	-.00580
.597	-1.936	19.12000	.01290	-.00780	-11.64200	.00000	-.05570	.02000	.00580	-.00980	-.00580
.598	-.896	19.12500	.01290	-.00780	-11.65300	.00000	-.05570	.02000	.00580	-.00980	-.00580
.599	1.138	19.12100	.01290	-.00780	-11.64200	.00000	-.05570	.02000	.00580	-.00980	-.00580
.599	1.175	19.10900	.01290	-.00780	-11.64200	.00000	-.05570	.02000	.00580	-.00980	-.00580
.599	2.201	19.09300	.01290	-.00780	-11.64200	.00000	-.05570	.02000	.00580	-.00980	-.00580
.599	4.276	19.06600	.01290	-.00780	-11.65300	.00000	-.06240	.02000	.00580	-.00980	-.00580
.598	5.307	19.05300	.01500	-.00560	-11.64200	.00000	-.06240	.02000	.01000	-.00980	-.00150
	GRADIENT	-.00649	.00000	-.00000	.00025	.00000	-.00186	.00000	-.00000	.00000	.00000

AMES 118-1-11 OAI45A 01

(C2F084) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

BETA =
 AILRON =
 SPDBRK =
 RN/L =

.000 ELEVON = .000
 .000 BDFLAP = .000
 7.500 RUDDER = .000
 5.000

RUN NO. 906/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-1B	ELV-08	AIL-1B	AIL-08
.599	-5.219	19.10500	.01460	-.00020	.00970	7.50000	-.11640	.02500	.00430	-.00470	.00430
.599	-2.240	19.11900	.01460	-.00020	.00970	7.50000	-.11640	.02500	.00430	-.00470	.00430
.597	2.284	19.12000	.01750	-.00310	.00970	7.50000	-.11640	.02500	.01000	-.00470	-.00150
.601	4.818	19.12500	.01680	-.00190	.00970	7.50000	-.10960	.02500	.00850	-.00470	.00850
.598	7.859	19.12100	.01680	-.00190	.00970	7.50000	-.10960	.02500	.00850	-.00470	.00850
.596	9.960	19.10900	.01680	-.00190	.00970	7.50000	-.10960	.02500	.00850	-.00470	.00850
.596	11.968	19.09300	.01680	-.00190	.00970	7.50000	-.10960	.02500	.00850	-.00470	.00850
.599	14.976	19.06600	.01930	-.00060	.00970	7.50000	-.10960	.03000	.00850	-.00960	.00850
.598	16.975	19.05300	.01670	-.00310	.00970	7.50000	-.10960	.02490	.00850	-.01470	.00850
.597	18.969	19.04000	.02430	-.00130	.00970	7.50000	-.10960	.03000	.01850	-.00960	.00700
	GRADIENT	.00767	.00043	.00042	.00000	.00000	.00135	.00000	.00063	.00000	.00063

0A145 TABULATED FORCE DATA

DATE 10 MAR 80

AMES 118-1-11 0A145A 01

(C2F084) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000
 AILRON = .000
 SPDBRK = 7.500
 RUDDER = 5.000
 ELEVON = .000
 BDFLAP = .000
 RUDDER = .000

RUN NO. 904/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.799	-5.257	-.03000	.01500	-.00480	.00000	7.50000	-.12310	.00000	-.00960	.00000
.802	-.228	.00330	.01500	-.00480	.00000	7.50000	-.12310	.00000	-.00960	.00000
.797	2.285	.00890	.01500	-.00480	.00000	7.50000	-.12310	.00000	-.00960	.00000
.798	4.818	.04430	.01500	-.00480	.00000	7.50000	-.12310	.00000	-.00960	.00000
.799	7.935	.03310	.01500	-.00480	.00000	7.50000	-.12310	.00000	-.00960	.00000
.799	9.988	.03710	.01500	-.00480	.00000	7.50000	-.12310	.00580	-.00960	.00000
.798	11.987	.03770	.01790	-.00770	.00000	7.50000	-.14110	.00580	-.00960	-.00580
.799	15.038	.05060	.01790	-.00560	.00000	7.50000	-.16800	.01000	-.00960	-.00150
.798	17.032	.06300	.02000	-.01310	.00000	7.50000	-.23970	.01150	-.01470	-.00150
.798	18.998	.11400	.01820	-.01310	.00000	7.50000	-.23970	.01150	-.01470	-.00150
	GRADIENT	.00813	.00000	.00000	.00000	-.00000	.00000	.00000	.00000	.00000

RUN NO. 901/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.900	-5.281	-.03220	.02040	-.01020	.00000	7.50000	-.13210	.03500	-.01460	-.00580
.899	-.261	.00670	.01790	-.00770	.00000	7.50000	-.13210	.03500	-.00960	-.00580
.899	2.287	.01640	.02040	-.01020	.00000	7.50000	-.13210	.03500	-.01460	-.00580
.900	4.844	.04280	.02040	-.01020	.00000	7.50000	-.13210	.03500	-.01460	-.00580
.903	7.961	.03520	.02040	-.01020	.00000	7.50000	-.13210	.03500	-.01460	-.00580
.899	9.988	.03650	.02040	-.01020	.00000	7.50000	-.13210	.03500	-.01460	-.00580
.900	12.006	.04230	.02250	-.00800	.00000	7.50000	-.13210	.03500	-.01460	-.00150
.903	15.065	.07030	.02250	-.00800	.00000	7.50000	-.13210	.03500	-.01460	-.00150
.901	17.038	.12150	.02460	-.00590	.00970	7.50000	-.13210	.01430	-.01460	-.00270
.902	19.016	.00707	.00049	-.00049	.00000	-.00000	.00176	.00000	-.00098	-.00000
	GRADIENT									

RUN NO. 899/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.953	-5.294	-.01920	.02180	.00120	.01940	7.50000	-.10290	.01950	-.00470	.00700
.949	-.273	.00920	.01960	-.00100	.01940	7.50000	-.10290	.01430	-.00470	.00270
.951	2.304	.01770	.02180	-.00120	.01940	7.50000	-.10960	.01850	-.00470	.00270
.951	4.859	.04240	.01960	-.00100	.02910	7.50000	-.10960	.01430	-.00470	.00270
.952	7.988	.03100	.02430	-.00130	.01940	7.50000	-.10960	.01850	-.00960	.00700
.950	10.022	.03030	.02210	-.00340	.02910	7.50000	-.11640	.01430	-.00960	.00270
.952	12.038	.03100	.02430	-.00130	.02910	7.50000	-.11640	.01850	-.00960	.00700
.951	15.065	.03430	.02430	-.00130	.02910	7.50000	-.11640	.01850	-.00960	.00700
.946	17.045	.05530	.02430	-.00130	.02910	7.50000	-.11640	.01850	-.00960	.00700
.950	18.994	.10780	.02380	-.00170	.02910	7.50000	-.12310	.02280	-.01470	.01120
	GRADIENT	.00646	.00000	.00000	.00189	-.00000	-.00131	.00000	.00000	.00000

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

(C2F085) (08 JUL 77)

ANES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BOFLAP = .000
SPDBRK = 7.500 RUDDER = .000
RN/L = 5.000

RUN NO. 907/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.597	-5.251	1.99050	.01930	-.00060	.00970	7.50000	-.10960	.00850	-.00960	.00850
.600	-.252	2.06820	.01930	-.00060	.00970	7.50000	-.10960	.00850	-.00960	.00850
.598	2.309	2.01870	.01930	-.00060	.00970	7.50000	-.10960	.00850	-.00960	.00850
.597	4.929	2.05360	.01930	-.00060	.00970	7.50000	-.10960	.00850	-.00960	.00850
.598	8.026	1.99990	.01930	-.00060	.00970	7.50000	-.10960	.00850	-.00960	.00850
.597	10.057	2.01160	.01930	-.00060	.00970	7.50000	-.10960	.00850	-.00960	.00850
.597	12.075	2.02160	.02140	.00160	.00970	7.50000	-.10960	.00850	-.00960	.00850
.597	15.063	2.04700	.01930	-.00060	.00970	7.50000	-.10960	.00850	-.00960	.00850
.596	17.047	2.07480	.01930	-.00060	.00970	7.50000	-.10960	.00850	-.00960	.00850
.596	18.985	2.05530	.03410	-.01620	.00970	7.50000	-.10960	.01850	-.03950	.00700
.597	GRADIENT	-.00276	-.00000	.00000	.00000	-.00000	.00000	-.00000	.00000	-.00000

RUN NO. 905/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.799	-5.272	2.00270	.01790	-.00770	.00000	7.50000	-.21280	.00580	-.00960	-.00580
.797	-.268	2.07210	.01790	-.00770	.00000	7.50000	-.21280	.00580	-.00960	-.00580
.798	2.290	2.03220	.01790	-.00770	.00000	7.50000	-.21280	.00580	-.00960	-.00580
.798	4.935	2.07340	.01790	-.00770	.00000	7.50000	-.21280	.00580	-.00960	-.00580
.799	8.062	2.08520	.01500	-.00480	.00000	7.50000	-.20390	.00000	-.00960	.00000
.800	10.105	2.09200	.02040	-.01020	.00000	7.50000	-.20390	.00580	-.01460	-.00580
.798	12.085	2.09790	.01790	-.00770	.00000	7.50000	-.22180	.00580	-.00960	-.00580
.798	15.111	2.07530	.02040	-.01020	.00000	7.50000	-.23080	.00580	-.01460	-.00580
.801	17.085	2.09440	.02040	-.01020	.00000	7.50000	-.22180	.01150	-.01460	-.01150
.800	19.038	2.07930	.02320	-.01300	.00000	7.50000	-.22180	.00000	.00000	.00000
.800	GRADIENT	.01034	-.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 902/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.899	-5.278	2.02320	.02040	-.01020	.00000	7.50000	-.13210	.00580	-.01460	-.00580
.901	-.251	2.09010	.02040	-.01020	.00000	7.50000	-.13210	.00580	-.01460	-.00580
.900	2.311	2.03920	.02040	-.01020	.00000	7.50000	-.13210	.00580	-.01460	-.00580
.898	4.937	2.07700	.02040	-.01020	.00000	7.50000	-.13210	.00580	-.01460	-.00580
.896	8.065	2.08830	.02040	-.01020	.00000	7.50000	-.13210	.00580	-.01460	-.00580
.896	10.086	2.09130	.02040	-.01020	.00000	7.50000	-.13210	.00580	-.01460	-.00580
.893	12.139	2.10110	.02040	-.01020	.00000	7.50000	-.13210	.00580	-.01460	-.00580
.900	15.123	2.08430	.02250	-.00800	.00000	7.50000	-.14110	.01000	-.01460	-.00150
.899	17.102	2.09790	.02250	-.00800	.00000	7.50000	-.13210	.00580	-.01460	-.00580
.902	19.062	2.10580	.02290	-.00760	.00970	7.50000	-.12310	.00580	-.00950	-.00580
.902	GRADIENT	-.00245	.00000	-.00000	.00000	.00000	.00000	.00000	.00000	.00000

OAI145 TABULATED FORCE DATA

DATE 10 MAR 80

(C2F085) (08 JUL 77)

AMES 118-1-11 OAI145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 7.500 RUDDER = .000
RN/L = 5.000

RUN NO. 900/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-08	AIL-08
.951	-5.322	2.08400	.0210	-.00340	.01940	7.50000	-.13210	.01430	.00270
.950	-.263	2.08790	.0210	-.00340	.02910	7.50000	-.13210	.01430	.00270
.951	2.301	2.12690	.0210	-.00340	.01940	7.50000	-.13210	.01430	.00270
.953	4.932	2.13760	.0210	-.00340	.02910	7.50000	-.13210	.01430	.00270
.953	8.061	2.10470	.0210	-.00340	.01940	7.50000	-.13210	.01430	.00270
.951	10.129	2.10350	.0210	-.00340	.02910	7.50000	-.13210	.01430	.00270
.952	12.137	2.10720	.0210	-.00340	.02910	7.50000	-.13210	.01430	.00270
.951	15.160	2.13030	.02430	-.00130	.02910	7.50000	-.12310	.01850	.00700
.949	17.095	2.15960	.02640	.00080	.02910	7.50000	-.12310	.00960	.01120
.950	19.061	2.08090	.02460	-.00590	.01940	7.50000	-.12310	.01460	.00270
	GRADIENT	.00954	.00000	.00000	.00002	-.00000	.00000	.00000	.00000

AMES 118-1-11 OAI145A 01

(C2F086) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 7.500
RN/L = 5.000

RUN NO. 908/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-08	AIL-08
.598	-10.762	.05250	.01640	.00650	.00970	7.50000	.01280	.01280
.598	-4.939	.04890	.01640	.00650	.00970	7.50000	.01280	.01280
.598	-2.434	.04740	.01640	.00650	.00970	7.50000	.01280	.01280
.598	-1.103	.04540	.01640	.00650	.00970	7.50000	.01280	.01280
.598	2.496	.04160	.01640	.00650	.00970	7.50000	.01280	.01280
.598	5.014	.03950	.01640	.00650	.00970	7.50000	.01280	.01280
.598	10.011	.03600	.01640	.00650	.00970	7.50000	.01280	.01280
	GRADIENT	.00009	.00000	.00000	-.00120	.00000	.00000	.00000

(CF086) (08 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 903/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-08	AIL-08	AIL-08
.901	-10.771	4.82860	.05020	.01540	-.00520	.00000	7.50000	.00580	-.00470	-.00580
.901	-4.961	4.82910	.04770	.01540	-.00520	.00000	7.50000	.00580	-.00470	-.00580
.900	-2.459	4.82850	.04630	.01540	-.00520	.00000	7.50000	.00580	-.00470	-.00580
.901	-1.110	4.83140	.04470	.01790	-.00770	.00000	7.50000	.00580	-.00960	-.00580
.901	2.522	4.82900	.04090	.01540	-.00520	.00000	7.50000	.00580	-.00470	-.00580
.901	5.014	4.82980	.03940	.01540	-.00520	.00000	7.50000	.00580	-.00470	-.00580
.901	10.011	4.83200	.03620	.01540	-.00520	.00000	7.50000	.00580	-.00470	-.00580
	GRADIENT	.00010	-.00089	.00009	-.00009	.00000	-.00000	-.00000	-.00018	.00000

PARAMETRIC DATA

ALPHA = 5.000
 ELEVON = .000
 BDFLAP = .000
 RN/L = 5.000
 SPDBRK = 7.500

(CF087) (08 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 705/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-08	AIL-08	AIL-08
.599	-5.021	-.03710	.02400	.00830	.00000	.00000	15.00000	.02280	.00540	.01120
.600	-.730	-.01040	.02400	.00830	.00000	.00000	15.00000	.02280	.00540	.01120
.598	-.026	-.00500	.02400	.00830	.00000	.00000	15.00000	.02280	.00540	.01120
.598	2.464	-.00350	.01550	-.00020	.00000	.00000	15.00000	.00580	.00540	-.00580
.598	4.875	.03060	.01550	-.00020	.00000	.00000	15.00000	.00580	.00540	-.00580
.598	6.905	.02870	.01550	-.00020	.00000	.00000	15.00000	.00580	.00540	-.00580
.598	7.928	.02810	.01550	-.00020	.00000	.00000	15.00000	.00580	.00540	-.00580
.598	10.080	.02690	.01550	-.00020	.00000	.00000	15.00000	.00580	.00540	-.00580
.598	12.074	.02040	.02180	.00620	.00000	.00000	15.00000	.01850	.00540	.00700
.598	15.094	.03240	.02180	.00620	.00000	.00000	15.00000	.01850	.00540	.00700
	GRADIENT	.00660	-.00176	-.00176	.00000	.00000	-.00000	-.00352	.00000	-.00352

PARAMETRIC DATA

BETA = .000
 ELEVON = .000
 BDFLAP = .000
 RN/L = 5.000
 SPDBRK = 15.000

DATE 10 MAR 80

OAI145 TABULATED FORCE DATA

PAGE 1110

AMES 118-1-11 OAI145A 01

(C2F087) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO.

RN/L =

GRADIENT INTERVAL =

5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-OB	AIL-OB	AIL-OB
.798	-5.054	-.03000	.01050	-.00020	.00970	15.00000	-.12310	.00070	.01030	-.01080
.801	-.045	-.00280	.00790	-.00280	.00970	15.00000	-.12310	-.00440	.01030	-.01590
.798	2.501	.00250	.00790	-.00280	.00970	15.00000	-.12310	-.00440	.01030	-.01590
.799	5.043	.03340	.00790	-.00280	.01940	15.00000	-.12310	-.00440	.01030	-.01590
.801	7.163	.02980	.01440	-.00940	.00970	15.00000	-.12310	.00850	.01030	.00850
.797	8.158	.02870	.01220	.00730	.00970	15.00000	-.13210	.00430	.01030	.00430
.799	10.163	.03060	.01720	.00650	.01940	15.00000	-.12310	.01430	.01030	.00270
.799	12.191	.02560	.01720	.00650	.00970	15.00000	-.12310	.01430	.01030	.00270
.803	15.244	.03220	.01720	.00650	.00970	15.00000	-.12310	.01430	.01030	.00270
GRADIENT		.00208	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO.

RN/L =

GRADIENT INTERVAL =

5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-OB	AIL-OB	AIL-OB
.900	-5.101	-.05210	.01440	.00940	.00970	15.00000	-.07590	.00850	.01030	.00850
.902	-.097	-.01140	.01440	.00940	.00970	15.00000	-.06240	.00850	.01030	.00850
.900	2.455	.00350	.01220	.00730	.00970	15.00000	-.04220	.00430	.01030	.00430
.901	4.988	.03610	.01440	.00940	.00970	15.00000	-.04900	.00850	.01030	.00850
.902	7.071	.02600	.01220	.00730	.00970	15.00000	-.02870	.00430	.01030	.00430
.901	8.097	.02330	.01220	.00730	.00970	15.00000	-.02200	.00430	.01030	.00430
.900	10.128	.01440	.01220	.00650	.00970	15.00000	-.01850	.01430	.01030	.00270
.902	12.172	.01290	.01220	.00730	.00970	15.00000	.01850	.00430	.01030	.00430
.904	15.195	.02650	.01940	.00870	.00970	15.00000	.05220	.01850	.01030	.00700
GRADIENT		.00934	-.00000	-.00000	.00000	-.00000	.00264	-.00000	.00000	-.00000

RUN NO.

RN/L =

GRADIENT INTERVAL =

5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-OB	AIL-OB	AIL-OB
.952	-4.960	-.03250	.01760	.00190	.00970	15.00000	-.12310	.01000	.00540	.00150
.951	.083	-.07250	.02220	.00160	.00970	15.00000	-.11640	.01430	.00040	.00270
.949	2.656	.01100	.01970	.00410	.01940	15.00000	-.07590	.01430	.00540	.00270
.946	5.202	.03230	.01550	-.00020	.00970	15.00000	-.04900	.00580	.00540	-.00580
.945	7.290	.02120	.01760	.00190	.01940	15.00000	-.04220	.01000	.00540	-.00150
.947	8.261	.02480	.01970	.00410	.00970	15.00000	-.04220	.01430	.00540	.00270
.950	10.352	.02570	.01970	.00410	.01940	15.00000	-.06570	.01430	.00540	.00270
.943	12.388	.02270	.02640	.00580	.04850	15.00000	-.05920	.02280	.00040	.01120
.939	15.425	.02860	.01720	.00150	.00970	15.00000	-.10290	.01430	.00030	.00270
GRADIENT		.00574	.00036	.00024	.00110	-.00000	.00552	.00060	-.00014	.00059

PARAMETRIC DATA

BETA = .000
 AILRON = .000
 SPOBRK = 15.000
 RUDDER = 5.000
 ELEVON = .000
 BOFLAP = .000
 RUDDER = .000

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA
AMES 118-1-11 OAI45A 01

PAGE 1111
(CF087) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 15.000 RUDDER = .000
RN/L = 5.000

RUN NO. 679/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.199	-4.855	-.0310	.01980	.00910	.00000	15.00000	-.12310	.02530	.01430	.01540	.00270
1.196	.082	-.00520	.01770	.00700	.00000	15.00000	-.12310	.02530	.01000	.01540	-.00150
1.202	2.679	.00950	.01300	.00230	.00000	15.00000	-.12310	.02020	.00580	.01030	-.00580
1.197	5.253	.03360	.01770	.00700	.00000	15.00000	-.12310	.02530	.01000	.01540	-.00150
1.196	7.191	.02730	.01550	.00480	.00000	15.00000	-.12310	.02530	.00580	.01540	-.00580
1.198	8.218	.02950	.01300	.00230	.00000	15.00000	-.12310	.02020	.00580	.01030	-.00580
1.198	10.353	.02180	.01270	.00770	.00000	15.00000	-.12310	.02530	.00000	.01540	-.00000
1.195	12.408	.02100	.01050	-.00020	.00000	15.00000	-.12310	.02530	-.00440	.01540	-.01590
1.186	15.444	.03680	.01300	.00230	-.01000	15.00000	-.12310	.02020	.00580	.01030	-.00580
	GRADIENT	.00565	-.00084	-.00084	.00000	.00000	-.00000	-.00059	-.00109	-.00059	-.00109

--- RUN NO. 556/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.402	-4.088	-.03160	.02220	.00160	.01940	15.00000	-.12310	.03010	.01430	.00040	.00270
1.406	.074	-.00940	.02010	-.00050	.05820	15.00000	-.12310	.03010	.01000	.00040	-.00150
1.401	2.457	.00550	.01790	-.00270	.01940	15.00000	-.12310	.03010	.00580	.00040	-.00580
1.399	5.049	.03140	.02010	-.00050	.01940	15.00000	-.12310	.03010	.01000	.00040	-.00150
1.399	7.093	.02870	.01760	.00260	.01940	15.00000	-.12310	.03520	.00000	.00550	-.00000
1.403	8.128	.02540	.02260	.00200	.05820	15.00000	-.11640	.03520	.01000	.00550	-.00150
1.399	10.176	.02420	.02050	-.00010	.01940	15.00000	-.11640	.03520	.00580	.00550	-.00580
1.402	12.197	.01950	.02050	-.00010	.01940	15.00000	-.11640	.03520	.00580	.00550	-.00580
1.400	15.229	.03110	.02470	.00410	.00970	15.00000	-.11640	.03520	.01430	.00550	.00270
	GRADIENT	.00566	-.00064	-.00064	.00088	.00000	.00000	.00000	-.00128	.00000	-.00128

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AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BOFLAP = .000
SPDBRK = 15.000 RUDDER = .000
RN/L = 5.000

RUN NO. 703/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-IB	AIL-IB	ELV-OB	AIL-OB
.597	-6.068	5.12990	.02010	-.00050	.00970	15.00000	-.12310	.03010	.00040	.01000	-.00150
.597	-1.938	5.09140	.02010	-.00050	.00970	15.00000	-.13210	.03010	.00040	.01000	-.00150
.597	-.899	5.06260	.02010	-.00050	.00970	15.00000	-.13210	.03010	.00040	.01000	-.00150
.597	.027	4.97000	.02010	-.00050	.00970	15.00000	-.14110	.03010	.00040	.01000	-.00150
.597	.488	5.14570	.02010	-.00050	.00970	15.00000	-.10290	.03010	.00040	.01000	-.00150
.597	1.021	5.16300	.02010	-.00050	.00970	15.00000	-.10960	.03010	.00040	.01000	-.00150
.597	2.088	5.16340	.02010	-.00050	.00970	15.00000	-.11640	.03010	.00040	.01000	-.00150
.597	3.130	5.14270	.02010	-.00050	.00970	15.00000	-.12310	.03010	.00040	.01000	-.00150
.597	4.160	5.13850	.02010	-.00050	.00970	15.00000	-.12310	.02520	.00540	.01000	-.00150
.597	6.220	5.12940	.01760	.00190	.00000	15.00000	-.00312	.00000	.00000	.00000	-.00000
.597	.01652	.00000	.00000	.00000	-.00212	-.00000					

RUN NO. 698/ 0 RN/L = 4.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-IB	AIL-IB	ELV-OB	AIL-OB
.798	-6.115	5.10110	.01510	.00440	.01940	15.00000	-.01520	.02020	.01030	.01000	-.00150
.799	-1.977	5.06460	.01510	.00440	.01940	15.00000	-.06240	.02020	.01030	.01000	-.00150
.799	-.939	5.04280	.01510	.00440	.01940	15.00000	-.06920	.02020	.01030	.01000	-.00150
.800	.116	4.83330	.01510	.00440	.01940	15.00000	-.07590	.02020	.01030	.01000	-.00150
.798	.614	5.10300	.01510	.00440	.01940	15.00000	-.08270	.02020	.01030	.01000	-.00150
.799	1.142	5.07080	.01510	.00440	.01940	15.00000	-.08940	.02020	.01030	.01000	-.00150
.798	2.182	5.04630	.01510	.00440	.01940	15.00000	-.09620	.02020	.01030	.01000	-.00150
.797	3.225	5.03090	.01510	.00440	.01940	15.00000	-.09620	.02020	.01030	.01000	-.00150
.799	4.265	5.01540	.01510	.00440	.01940	15.00000	-.10290	.02020	.01030	.01000	-.00150
.795	6.333	4.98940	.01510	.00440	.01940	15.00000	-.12310	.02020	.01030	.01000	-.00150
	GRADIENT	-.00001	.00000	.00000	.00000	-.00000	-.00670	.00000	.00000	.00000	-.00000

RUN NO. 692/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-IB	AIL-IB	ELV-OB	AIL-OB
.901	-6.132	5.03750	.01800	.00150	.01940	15.00000	.05220	.02020	.01030	.01580	-.00730
.902	-1.975	5.06660	.01590	-.00060	.00970	15.00000	-.04900	.02020	.01030	.01150	-.01150
.899	-.920	5.05020	.01590	-.00060	.00970	15.00000	-.06920	.02020	.01030	.01150	-.01150
.898	.007	5.67790	.01510	.00440	.00970	15.00000	-.06920	.02020	.01030	.01000	-.00150
.899	.642	5.08660	.01300	.00230	.00970	15.00000	-.06240	.02020	.01030	.00580	-.00580
.898	1.176	5.11690	.01300	.00230	.00970	15.00000	-.07590	.02020	.01030	.00580	-.00580
.899	2.216	5.09010	.01300	.00230	.00970	15.00000	-.06920	.02020	.01030	.00580	-.00580
.899	3.266	5.07610	.01300	.00230	.00970	15.00000	-.07590	.02020	.01030	.00580	-.00580
.898	4.309	5.05780	.01300	.00230	.00970	15.00000	-.08940	.02020	.01030	.00580	-.00580
.898	6.379	5.03160	.01300	.00230	.00970	15.00000	-.10290	.02020	.01030	.00580	-.00580
	GRADIENT	-.01973	-.00055	.00040	.00000	-.00000	-.00372	.00000	.00000	-.00107	-.00078

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OAI45 TABULATED FORCE DATA

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(C2F088) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPDBRK = 15.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 681/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-1B	AIL-1B	AIL-OB
.952	-6.112	5.28330	.02430	.00370	.01940	15.00000	.05220	.03010	.00040	.00700
.951	-1.964	5.26300	.02400	.00830	.01940	15.00000	-.04900	.02520	.00540	.01120
.950	-.919	5.24130	.02640	.00580	.01940	15.00000	-.08270	.03010	.00040	.01120
.952	.025	5.21590	.02640	.00580	.00970	15.00000	-.08940	.03010	.00040	.01120
.950	.538	5.34180	.02640	.00580	.00970	15.00000	-.08940	.03010	.00040	.01120
.952	1.067	5.33000	.02400	.00830	.00970	15.00000	-.09620	.02520	.00540	.01120
.950	2.140	5.30880	.02640	.00580	.00970	15.00000	-.10960	.03010	.00040	.01120
.949	3.190	5.27760	.02640	.00580	.00970	15.00000	-.11640	.03010	.00040	.01120
.950	4.226	5.27290	.02640	.00580	.00970	15.00000	-.12310	.03010	.00040	.01120
.948	6.307	5.25520	.02640	.00580	.00970	15.00000	-.14110	.03010	.00040	.01120
	GRADIENT	.00552	.00024	-.00025	-.00160	.00000	-.01070	.00048	-.00049	.00000

RUN NO. 678/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-1B	AIL-1B	AIL-OB
1.200	-6.191	5.33530	.01770	.00700	.00000	15.00000	-.12310	.02530	.01540	-.00150
1.201	-2.054	5.32380	.01480	.00980	.00000	15.00000	-.12310	.02530	.00430	.00430
1.198	-1.018	5.29620	.01980	.00910	.00000	15.00000	-.12310	.02530	.01430	.00270
1.199	.110	5.41280	.01270	.00770	.00000	15.00000	-.12310	.02530	.01540	.00000
1.199	.689	5.24570	.01270	.00770	.00000	15.00000	-.12310	.02530	.00000	.00000
1.199	1.167	5.24360	.01270	.00770	.00000	15.00000	-.12310	.02530	.01540	.00000
1.200	2.197	5.21580	.01690	.01200	.00000	15.00000	-.12310	.02530	.01540	.00850
1.199	3.241	5.20030	.02540	.02050	.00000	15.00000	-.12310	.02530	.01540	.02550
1.199	4.285	5.18650	.02970	.02470	.00000	15.00000	-.12310	.02530	.01540	.03400
1.197	6.357	5.16690	.01480	.00980	.00000	15.00000	-.13210	.02530	.01540	.00430
	GRADIENT	-.02646	.00207	.00246	.00000	.00000	-.00000	.00000	.00000	.00491

RUN NO. 667/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-1B	AIL-1B	AIL-OB
1.401	-6.115	5.03350	.02260	.00200	.00970	15.00000	-.09620	.03520	.00550	-.00150
1.405	-1.971	4.99660	.02260	.00200	.00970	15.00000	-.11640	.03520	.00550	-.00150
1.404	-.913	4.98260	.02260	.00200	.00970	15.00000	-.11640	.03520	.00550	-.00150
1.403	.148	5.03260	.02260	.00200	.00970	15.00000	-.10960	.03520	.00550	-.00150
1.403	.624	5.00260	.02260	.00200	.00970	15.00000	-.10290	.03520	.00550	-.00150
1.403	1.158	4.99220	.02260	.00200	.00970	15.00000	-.10290	.03520	.00550	-.00150
1.402	2.218	4.97100	.02260	.00200	.00970	15.00000	-.10290	.03520	.00550	-.00150
1.402	3.272	4.95330	.02260	.00200	.00970	15.00000	-.10960	.03520	.00550	-.00150
1.402	4.321	4.94250	.02260	.00200	.00970	15.00000	-.11640	.03520	.00550	-.00150
1.399	6.405	4.92630	.02190	.00700	.00970	15.00000	-.12310	.03520	.00850	-.00150
	GRADIENT	-.00986	.00000	.00000	.00000	.00000	.00056	.00000	.00000	-.00000

0A145 TABULATED FORCE DATA
AMES 118-1-11 0A145A 01

DATE 10 MAR 80

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 15.000
RN/L = 5.000

RUN NO. 700/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-08	AIL-08	ELV-18	AIL-18	AIL-08
.597	-14.970	-.04180	-.00880	.01510	.00440	.00970	15.00000	.01000	.01030	.02020	.01030	-.00150
.598	-10.691	-.04220	-.00460	.01510	.00440	.01940	15.00000	.01000	.01030	.02020	.01030	-.00150
.597	-4.961	-.04110	-.00150	.01510	.00440	.00970	15.00000	.01000	.01030	.02020	.01030	-.00150
.597	-2.418	-.04180	-.00030	.01650	.01150	.00970	15.00000	.01280	.01030	.02020	.01030	.01280
.597	-.123	-.04290	-.00070	.01940	.00870	.00970	15.00000	.01850	.01030	.02020	.01030	.00700
.597	2.505	-.04310	-.00290	.01940	.00870	.00970	15.00000	.01850	.01030	.02020	.01030	.00700
.598	5.024	-.04490	-.00450	.01940	.00870	.00970	15.00000	.01850	.01030	.02020	.01030	.00700
.597	10.027	-.04650	-.00900	.01940	.00870	.00970	15.00000	.01850	.01030	.02020	.01030	.00700
.597	15.031	-.04720	-.01440	.01940	.00870	.00970	15.00000	.01850	.01030	.02020	.01030	.00700
.596	18.143	-.04720	-.01720	.01940	.00870	.00970	15.00000	.01850	.01030	.02020	.01030	.00700
.597	22.836	-.04770	-.02010	.01940	.00870	.00970	15.00000	.01850	.01030	.02020	.01030	.00700
	GRADIENT	-.00029	-.00058	.00063	.00042	.00000	.00000	.00125	.00000	-.00000	.00000	.00081

RUN NO. 694/ 0 RN/L = 4.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-08	AIL-08	ELV-18	AIL-18	AIL-08
.800	-14.965	-.11540	-.00330	.01260	.00190	.01940	15.00000	.01000	.00520	.01510	.00520	-.00150
.798	-10.780	-.11440	-.00750	.01510	.00440	.01940	15.00000	.01000	.01030	.02020	.01030	-.00150
.799	-4.947	-.11500	-.01160	.01510	.00440	.00970	15.00000	.01000	.01030	.02020	.01030	-.00150
.799	-2.418	-.11490	-.01290	.01260	.00190	.00970	15.00000	.01000	.01030	.02020	.01030	-.00150
.798	-.103	-.11520	-.01370	.01510	.00440	.00970	15.00000	.01000	.01030	.02020	.01030	-.00150
.799	2.496	-.11700	-.01790	.01510	.00440	.00970	15.00000	.01000	.01030	.02020	.01030	-.00150
.800	5.024	-.11900	-.01790	.01510	.00440	.00970	15.00000	.01000	.01030	.02020	.01030	-.00150
.799	10.003	-.12210	-.02350	.01510	.00440	.00970	15.00000	.01000	.01030	.02020	.01030	-.00150
.798	15.199	-.12260	-.02790	.01510	.00440	.00970	15.00000	.01000	.01030	.02020	.01030	-.00150
.799	18.161	-.12290	-.03060	.01510	.00440	.00970	15.00000	.01000	.01030	.02020	.01030	-.00150
.799	22.827	-.12330	-.03390	.01510	.00440	.00970	15.00000	.01000	.01030	.02020	.01030	-.00150
	GRADIENT	-.00026	-.00053	.00010	.00010	-.00119	.00000	.00000	.00020	.00020	.00020	.00000

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(C2F089) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

ALPHA =
ELEVON =
BDFLAP =
RN/L =

BETA = .000
AILRON = .000
SPDBRK = 15.000
RN/L = 5.000

RUN NO. 688/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-18	AIL-18	ELV-08	AIL-08
.900	-14.955	-0.07850	.00360	.00900	.01480	.04850	15.00000	.02020	.01030	-.00220	.01920
.899	-10.736	-0.07950	-0.00090	.01720	.00650	.01940	15.00000	.02020	.01030	.01430	.00270
.901	-4.961	-0.07970	-0.00450	.01720	.00650	.00970	15.00000	.02020	.01030	.01430	.00270
.900	-2.442	-0.08040	-0.00560	.01720	.00650	.00970	15.00000	.02020	.01030	.01430	.00270
.899	-1.116	-0.08170	-0.00730	.01720	.00650	.00970	15.00000	.02020	.01030	.01430	.00270
.902	2.513	-0.08120	-0.00850	.01720	.00650	.00970	15.00000	.02020	.01030	.01430	.00270
.900	5.005	-0.08440	-0.01100	.01720	.00650	.00970	15.00000	.02020	.01030	.01430	.00270
.899	10.019	-0.08570	-0.01570	.01720	.00650	.00970	15.00000	.02020	.01030	.01430	.00270
.901	14.996	-0.08440	-0.02010	.01720	.00650	.00970	15.00000	.02020	.01030	.01430	.00270
.900	18.107	-0.08570	-0.02290	.01720	.00650	.00970	15.00000	.02020	.01030	.01430	.00270
.899	22.836	-0.08670	-0.02640	.01720	.00650	.00970	15.00000	.02020	.01030	.01430	.00270
	GRADIENT	-.00023	-.00055	-.00000	.00000	.00000	-.00000	.00000	.00000	.00000	-.00000

RUN NO. 685/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-18	AIL-18	ELV-08	AIL-08
.950	-14.965	-0.05910	.00210	.01590	-.00060	.00000	15.00000	.02020	.01030	.01150	-.01150
.951	-10.762	-0.06330	-0.00060	.01300	.00230	.00000	15.00000	.02020	.01030	.00580	-.00580
.952	-4.947	-0.06650	-0.00400	.01300	.00230	.00000	15.00000	.02020	.01030	.00580	-.00580
.951	-2.451	-0.06710	-0.00480	.01300	.00230	.00000	15.00000	.02020	.01030	.00580	-.00580
.951	-1.116	-0.06740	-0.00490	.01300	.00230	.00000	15.00000	.02020	.01030	.00580	-.00580
.951	2.488	-0.06870	-0.00600	.01300	.00230	.00000	15.00000	.02020	.01030	.00580	-.00580
.950	5.024	-0.06880	-0.00780	.01300	.00230	.00000	15.00000	.02020	.01030	.00580	-.00580
.950	10.027	-0.06850	-0.01210	.01300	.00230	.00000	15.00000	.02020	.01030	.00580	-.00580
.951	15.005	-0.06550	-0.01620	.01300	.00230	.00000	15.00000	.02020	.01030	.00580	-.00580
.949	18.107	-0.06290	-0.01810	.01300	.00230	.00000	15.00000	.02020	.01030	.00580	-.00580
.950	22.836	-0.05020	-0.02140	.01300	.00230	.00000	15.00000	.02020	.01030	.00580	-.00580
	GRADIENT	-.03028	-.00025	-.00000	.00000	.00000	.00000	-.00000	.00000	-.00000	.00000

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

AMES 118-1-11 0A145A 01

(C2F089) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPDBRK = 15.000
 RN/L = 5.000

RUN NO. 673/ 0 RN/L = 5.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-08	AIL-08
1.200	-14.965	.10040	-.00160	.01550	.00480	.00970	15.00000	.00580	.01540
1.199	-10.771	.09310	-.00450	.01550	.00480	.00970	15.00000	.00580	.01540
1.201	-4.947	.08980	-.00670	.01550	.00480	.00970	15.00000	.00580	.01540
1.201	-2.426	.08870	-.00700	.01550	.00480	.00970	15.00000	.00580	.01540
1.200	-.141	.08740	-.00690	.01550	.00480	.00970	15.00000	.00580	.01540
1.200	2.531	.08710	-.00710	.01270	.00770	.00000	15.00000	.00000	.01540
1.200	5.005	.08620	-.00800	.01550	.00480	.00970	15.00000	.00580	.01540
1.199	9.987	.08680	-.01170	.01550	.00480	.00000	15.00000	.00580	.01540
1.200	15.014	.09190	-.01500	.01550	.00480	.00970	15.00000	.00580	.01540
1.199	18.116	.09340	-.01700	.01270	.00770	.00970	15.00000	.00000	.01540
1.197	22.846	.09650	-.02000	.01550	.00480	.00000	15.00000	.00580	.01540
	GRADIENT	-.00038	-.00005	-.00035	.00036	-.00002	.00000	-.00072	.00072

RUN NO. 670/ 0 RN/L = 4.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-08	AIL-08
1.404	-14.970	.13570	-.01050	.01550	-.00020	.00970	15.00000	.00580	.00540
1.404	-10.736	.13150	-.01320	.01970	.00410	.01940	15.00000	.01430	.00540
1.404	-4.954	.12730	-.01380	.01680	.00690	.00970	15.00000	.00850	.00540
1.403	-2.434	.12690	-.01290	.01970	.00410	.01940	15.00000	.01430	.00540
1.403	-.141	.12770	-.01280	.02110	.01120	.01940	15.00000	.01700	.00540
1.403	2.522	.12720	-.01260	.02610	.01040	.00970	15.00000	.02700	.00540
1.403	5.014	.12620	-.01320	.02610	.01300	.00970	15.00000	.02700	.00540
1.404	10.003	.12940	-.01530	.02860	.01300	.00970	15.00000	.02130	.01050
1.403	15.031	.13240	-.01760	.02070	.01580	.00970	15.00000	.01700	.01030
1.402	18.116	.13640	-.01920	.02110	.01120	.01940	15.00000	.01700	.00540
1.402	22.818	.13950	-.02270	.02110	.01120	.00970	15.00000	.01700	.00540
	GRADIENT	.00002	.00015	.00119	.00070	-.00002	.00000	.00237	.00000

OAI45 TABULATED FORCE DATA
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DATE 10 MAR 80

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 15.000
RN/L = 5.000

RUN NO. 702/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-08	AIL-18	AIL-08
.598	-14.960	4.91420	.03620	.01510	.00440	.00970	15.00000	.01000	.01030	-.00150
.598	-10.754	4.91380	.03320	.01510	.00440	.00970	15.00000	.01000	.01030	-.00150
.597	-4.939	4.91460	.02970	.01510	.00440	.00970	15.00000	.01000	.01030	-.00150
.597	-2.426	4.91530	.02830	.01510	.00440	.00970	15.00000	.01000	.01030	-.00150
.597	-.096	4.91610	.02630	.01510	.00440	.00970	15.00000	.01000	.01030	-.00150
.597	2.496	4.91660	.02260	.01510	.00440	.00000	15.00000	.01000	.01030	-.00150
.597	5.005	4.91720	.02020	.01510	.00440	.00000	15.00000	.01000	.01030	-.00150
.597	10.019	4.91810	.01640	.01510	.00440	.00000	15.00000	.01000	.01030	-.00150
.597	15.031	4.91980	.01270	.01510	.00440	.00000	15.00000	.01000	.01030	-.00150
.596	18.143	4.92000	.01060	.01510	.00440	.00000	15.00000	.01000	.01030	-.00150
.597	22.836	4.92060	.00810	.01510	.00440	.00000	15.00000	.01000	.01030	-.00150
	GRADIENT	.03028	-.00095	.00000	.00000	-.00119	.00000	.00000	.00000	.00000

RUN NO. 696/ 0 RN/L = 4.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-08	AIL-18	AIL-08
.799	-14.960	4.96460	.03700	.01720	.00650	.01940	15.00000	.01430	.01030	.00270
.799	-10.736	4.96570	.03400	.01720	.00650	.01940	15.00000	.01430	.01030	.00270
.800	-2.442	4.96840	.02890	.01440	.00940	.01940	15.00000	.00850	.01030	.00850
.799	-1.316	4.96580	.03080	.01720	.00940	.00970	15.00000	.01430	.01030	.00270
.799	-.123	4.96950	.02650	.01440	.00940	.01940	15.00000	.00850	.01030	.00850
.800	2.496	4.97100	.02280	.01720	.00650	.00970	15.00000	.01430	.01030	.00270
.799	5.014	4.97080	.01990	.01440	.00940	.01940	15.00000	.00850	.01030	.00850
.799	10.011	4.97170	.01610	.01720	.00650	.01940	15.00000	.01430	.01030	.00270
.799	15.005	4.97220	.01290	.01720	.00650	.01940	15.00000	.01430	.01030	.00270
.799	18.125	4.97310	.01100	.01720	.00650	.01940	15.00000	.01430	.01030	.00270
.800	22.818	4.97360	.00820	.01720	.00650	.00970	15.00000	.01430	.01030	.00270
	GRADIENT	.00075	-.00146	.00039	-.00040	-.00135	-.00000	.00081	.00000	-.00081

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

(C2F09C) (08 JUL 77)

AMES 118-1-11 OAI45A 01

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

ALPHA =
 ELEVON =
 BOFLAP =
 RN/L =

BETA =
 AILRON =
 SPOBRK =

5.000
 .000
 .000
 5.000

.000
 .000
 15.000

RUN NO. 690/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPOBRK	ELV-1B	ELV-OB	AIL-1B	AIL-OB
.900	-14.965	4.96820	.04640	.01300	.00230	.00970	15.00000	.02020	.00580	.01030	.00580
.900	-10.754	4.96840	.04400	.01300	.00230	.01940	15.00000	.02020	.00580	.01030	.00580
.902	-4.924	4.96830	.04170	.01300	.00230	.00970	15.00000	.02020	.00580	.01030	.00580
.900	-2.451	4.96610	.04010	.01300	.00230	.01940	15.00000	.02020	.00580	.01030	.00580
.900	-1.103	4.96900	.03750	.01300	.00230	.00970	15.00000	.02020	.00580	.01030	.00580
.900	2.496	4.96890	.03370	.01010	.00520	.00000	15.00000	.02020	.00000	.01030	.00000
.899	5.014	4.96610	.03140	.01300	.00230	.00970	15.00000	.02020	.00580	.01030	.00580
.899	10.011	4.96650	.02810	.01510	.00440	.00970	15.00000	.02020	.01000	.01030	.00150
.899	15.014	4.96730	.02470	.01510	.00440	.00970	15.00000	.02020	.01430	.01030	.00270
.900	18.134	4.96690	.02260	.01720	.00650	.00970	15.00000	.02020	.01430	.01030	.00270
.900	22.846	4.96820	.01970	.01720	.00650	.00970	15.00000	.02020	.01430	.01030	.00270
	GRADIENT	.00019	-.00108	-.00036	.00036	-.00158	.00000	-.00000	-.00072	.00000	.00072

RUN NO. 684/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPOBRK	ELV-1B	ELV-OB	AIL-1B	AIL-OB
.951	-14.970	5.04860	.03710	.01260	.00190	.01940	15.00000	.01510	.01000	.00520	.00150
.951	-10.745	5.04690	.03500	.01260	.00190	.02910	15.00000	.01510	.01000	.00520	.00150
.951	-4.932	5.04430	.03310	.01040	-.00030	.01940	15.00000	.01510	.00580	.00520	.00580
.950	-2.451	5.04510	.03230	.01040	-.00030	.01940	15.00000	.01510	.00580	.00520	.00580
.951	-.056	5.04480	.03040	.01040	-.00030	.01940	15.00000	.02020	.00580	.01030	.00580
.951	2.496	5.04580	.02690	.01300	.00230	.01940	15.00000	.02020	.00580	.01030	.00580
.952	5.005	5.04710	.02420	.01300	.00230	.01940	15.00000	.02020	.00580	.01030	.00580
.951	10.011	5.04920	.02150	.01300	.00230	.01940	15.00000	.02020	.01000	.01030	.00150
.949	15.005	5.05100	.01890	.01510	.00440	.00000	15.00000	.02020	.01000	.01030	.00150
.950	18.125	5.05310	.01750	.01510	.00440	.00000	15.00000	.02020	.01000	.01030	.00150
.950	22.836	5.05640	.01490	.01510	.00440	.00000	15.00000	.02020	.01000	.01030	.00150
	GRADIENT	.00017	-.00083	.00032	.00032	.00000	.00000	.00062	-.00000	.00062	.00000

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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(C2F090) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA =
 ELEVON =
 BOFLAP =
 RN/L =
 5.000 BETA =
 .000 AILRON =
 .000 SPDBRK =
 5.000

RUN NO. 676/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	ELV-OB	ELV-IB	AIL-OB	AIL-IB
1.198	-14.970	5.23290	.04600	.01980	.00910	.00970	15.00000	.01430	.02530	.01540	.01540
1.198	-10.771	5.23000	.04530	.01980	.00910	.00970	15.00000	.01430	.02530	.01540	.01540
1.200	-4.947	5.22810	.04410	.01980	.00910	.00970	15.00000	.01430	.02530	.01540	.01540
1.201	-2.442	5.22880	.04310	.01980	.00910	.00970	15.00000	.01430	.02530	.01540	.01540
1.199	-1.132	5.22660	.04090	.01690	.01200	.00970	15.00000	.00850	.02530	.01540	.01540
1.200	2.505	5.22740	.03900	.01690	.01200	.00970	15.00000	.00850	.02530	.01540	.01540
1.200	4.996	5.22900	.03740	.01690	.01200	.00970	15.00000	.00850	.02530	.01540	.01540
1.199	10.019	5.23180	.03560	.01690	.01200	.00970	15.00000	.00850	.02530	.01540	.01540
1.200	15.022	5.23550	.03390	.01690	.01200	.00970	15.00000	.00850	.02530	.01540	.01540
1.199	18.125	5.23800	.03250	.01690	.01200	.00970	15.00000	.00850	.02530	.01540	.01540
1.200	22.846	5.24300	.03070	.01690	.01200	.00970	15.00000	.00850	.02530	.01540	.01540
	GRADIENT	.00002	-.00070	-.00035	.00035	.00079	.00000	-.00069	-.00000	.00000	.00000

RUN NO. 669/ 0 RN/L = 4.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	ELV-OB	ELV-IB	AIL-OB	AIL-IB
1.403	-14.976	5.02380	.16210	.02120	-.00590	.00970	15.00000	.01730	.02520	.00540	.00540
1.402	-10.727	5.02080	.15600	.02120	-.00590	.00970	15.00000	.01730	.02520	.00540	.00540
1.401	-4.924	5.01940	.14570	.02120	-.00590	.00970	15.00000	.01730	.02520	.00540	.00540
1.403	-2.451	5.01870	.14400	.01550	-.00020	.00970	15.00000	.00580	.02520	.00540	.00540
1.403	-.141	5.01900	.13790	.01550	-.00020	.00970	15.00000	.00580	.02520	.00540	.00540
1.403	2.488	5.01970	.13340	.01550	-.00020	.00970	15.00000	.00580	.02520	.00540	.00540
1.403	5.014	5.02090	.13220	.01550	-.00020	.00970	15.00000	.00580	.02520	.00540	.00540
1.403	10.011	5.02540	.12510	.01260	.00270	.00970	15.00000	.00000	.02520	.00540	.00540
1.404	15.005	5.02840	.11650	.01260	.00270	.00970	15.00000	.00000	.02520	.00540	.00540
1.403	18.143	5.03410	.11500	.01260	.00270	.00970	15.00000	.00000	.02520	.00540	.00540
1.403	22.836	5.03970	.11120	.01550	-.00020	.00970	15.00000	.00580	.02520	.00540	.00540
	GRADIENT	.00005	-.00175	-.00069	.00069	.00036	.00000	-.00140	-.00000	.00000	.00000

0A145 TABULATED FORCE DATA
AMES 118-1-11 0A145A 01

DATE 10 MAR 80

(CZF091) (08 JUL 77)

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 AILRON = .000
BOFLAP = .000 SPDBRK = 15.000
RN/L = 5.000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

RUN NO. 701/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	ELV-08	AIL-08	AIL-0B
.598	-14.993	9.98100	.04830	.01510	.00440	.00970	15.00000	.01000	.01030	-.00150
.598	-10.745	9.98190	.04470	.01510	.00440	.01940	15.00000	.01000	.01030	-.00150
.597	-4.939	9.98350	.04070	.01220	.00730	.00970	15.00000	.00430	.01030	-.00430
.597	-2.418	9.98200	.03910	.01510	.00440	.00970	15.00000	.01000	.01030	-.00150
.598	-.141	9.98710	.03640	.01510	.00440	.01940	15.00000	.01000	.01030	-.00150
.598	2.522	9.98670	.03370	.01510	.00440	.00970	15.00000	.01000	.01030	-.00150
.597	5.024	9.98650	.03060	.01510	.00440	.00970	15.00000	.01000	.01030	-.00150
.597	10.011	9.98860	.02560	.01510	.00440	.00970	15.00000	.01000	.01030	-.00150
.597	15.014	9.99030	.02170	.01510	.00440	.00970	15.00000	.01000	.01030	-.00150
.598	18.125	9.99470	.01940	.01510	.00440	.00970	15.00000	.01000	.01030	-.00150
.597	22.836	9.99370	.01730	.01510	.00440	.00970	15.00000	.01000	.01030	-.00150
	GRADIENT	.00058	-.00096	.00035	-.00035	.00035	-.00000	.00069	-.00000	-.00070

RUN NO. 695/ 0 RN/L = 4.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	ELV-08	AIL-08	AIL-0B
.798	-14.960	10.13900	.03840	.01720	.00650	.00970	15.00000	.01430	.01030	.00270
.799	-10.754	10.13800	.03540	.01440	.00940	.01940	15.00000	.00850	.01030	.00850
.799	-4.961	10.14000	.03150	.01440	.00940	.00970	15.00000	.00850	.01030	.00850
.799	-2.434	10.14100	.02950	.01440	.00940	.00970	15.00000	.00850	.01030	.00850
.799	-.123	10.14500	.02750	.01440	.00940	.00970	15.00000	.01430	.01030	.00270
.800	2.513	10.14700	.02400	.01720	.00650	.00970	15.00000	.01430	.01030	.00270
.798	5.014	10.14700	.02020	.01720	.00650	.00970	15.00000	.01430	.01030	.00270
.800	10.067	10.15000	.01600	.01720	.00650	.01940	15.00000	.01430	.01030	.00270
.800	14.996	10.15000	.01260	.01720	.00650	.01940	15.00000	.01430	.01030	.00270
.799	18.116	10.15100	.01060	.01720	.00650	.01940	15.00000	.01430	.01030	.00270
.801	22.827	10.15500	.00770	.01940	.00870	.00970	15.00000	.01850	.01030	.00700
	GRADIENT	.00101	-.00099	.00034	-.00036	.00000	.00000	.00071	.00000	-.00071

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OA145 TABULATED FORCE DATA

JAMES 118-1-11 0A143A 01

DATE 10 MAR 80

(C2F091) (08 JUL 77)

REFERENCE DATA

=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN.
=	474.8100	INCHES	YMRP	=	.0000	IN.
=	936.6800	INCHES	ZMRP	=	375.0000	IN.
=		SCALE		=	.0500	

PARAMETRIC DATA

ALPHA	=	10.000	BETA	=	.000
ELEVON	=	.000	AILRON	=	.000
BDFLAP	=	.000	SPOBRK	=	15.000
RN/L	=	5.000			

POINT NO	RN/L	GRADIENT	INTERVAL
687/ 0	4.95	-5.00/	5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.901	-14.965	10.09200	.04500	.01940	.00870	.00970	15.00000	.02020	.01850	.01030	.00700
.900	-10.754	10.09000	.04260	.01940	.00870	.00970	15.00000	.02020	.01850	.01030	.00700
.899	-4.951	10.08700	.03890	.01940	.00870	.00970	15.00000	.02020	.01850	.01030	.00700
.901	-2.434	10.09200	.03680	.01940	.00870	.00970	15.00000	.02020	.01850	.01030	.00700
.899	.089	10.09200	.03440	.01940	.00870	.00970	15.00000	.02020	.01850	.01030	.00700
.899	2.522	10.08900	.03130	.01940	.00870	.00970	15.00000	.02020	.01850	.01030	.00700
.899	4.996	10.09400	.02820	.01940	.00870	.00970	15.00000	.02020	.01850	.01030	.00700
.900	10.003	10.09800	.02410	.01940	.00870	.00970	15.00000	.02020	.01850	.01030	.00700
.900	15.005	10.10100	.02100	.01940	.00870	.00970	15.00000	.02020	.01850	.01030	.00700
.900	18.134	10.10200	.01920	.01940	.00870	.00970	15.00000	.02020	.01850	.01030	.00700
.900	22.808	10.10300	.01630	.01940	.00870	.00970	15.00000	.02020	.01850	.01030	.00700
GRADIENT		.00044	-.00108	.00000	.00000	.00038	-.00000	.00000	.00000	.00000	.00000

91M NO	686/ 0	BN/L =	4.95	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

OAI145 TABULATED FORCE DATA

DATE 10 MAR 80

(C2F092) (08 JUL 77)

AMES 118-1-11 OAI145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPOBRK = 15.000
 RN/L = 5.000

RUN NO. 675/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	ELV-OB	AIL-OB	AIL-IB	AIL-OB
1.199	-14.976	15.43500	.03990	.01270	.00770	.00970	15.00000	.00000	.01540	.01540	.00000
1.198	-10.736	15.43000	.03860	.01270	.00770	.00970	15.00000	.00000	.01540	.01540	.00000
1.200	-4.954	15.42800	.03470	.01550	.00480	.00000	15.00000	.00580	.01540	.01540	.00580
1.200	-2.451	15.42600	.03320	.01270	.00770	.00000	15.00000	.00000	.01540	.01540	.00000
1.201	-1.132	15.42800	.03140	.01270	.00770	.00970	15.00000	.00000	.01540	.01540	.00000
1.200	2.505	15.43200	.02980	.01270	.00770	.00000	15.00000	.00000	.01540	.01540	.00000
1.200	4.996	15.43500	.02790	.01270	.00770	.00000	15.00000	.00000	.01540	.01540	.00000
1.200	10.019	15.43700	.02340	.01270	.00770	.00000	15.00000	.00000	.01540	.01540	.00000
1.199	15.022	15.44500	.02020	.01270	.00770	.00970	15.00000	.00000	.01540	.01540	.00000
1.200	18.116	15.44800	.01700	.01270	.00770	.00000	15.00000	.00000	.01540	.01540	.00000
1.200	22.818	15.45200	.01510	.01270	.00770	.00000	5.00000	.00000	.01540	.01540	.00000
1.200	GRADIENT	.00081	-.00068	-.00022	.00023	-.00002	.00000	-.00046	.00000	.00000	.00046

RUN NO. 672/ 0 RN/L = 4.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	ELV-OB	AIL-OB	AIL-IB	AIL-OB
1.392	-14.993	15.42900	.04220	.00790	-.00280	.00970	15.00000	-.00440	.01030	.01030	.01590
1.394	-10.745	15.43900	.03730	.01720	.00650	.00970	15.00000	.01430	.01030	.01030	.00270
1.393	-4.954	15.43800	.03550	.01440	.00940	.00000	15.00000	.00850	.01030	.01030	.00850
1.393	-2.426	15.43900	.03250	.01440	.00940	.00970	15.00000	.00850	.01030	.01030	.00850
1.393	-2.426	15.43900	.03190	.01440	.00940	.00000	15.00000	.00850	.01030	.01030	.00850
1.394	2.513	15.43800	.03300	.01440	.00940	.00970	15.00000	.00850	.01030	.01030	.00850
1.393	5.014	15.44100	.02780	.01440	.00940	.00000	15.00000	.00850	.01030	.01030	.00850
1.393	10.003	15.44900	.02210	.01440	.00940	.00000	15.00000	.00850	.01030	.01030	.00850
1.393	14.996	15.45100	.02210	.01440	.00940	.00000	15.00000	.00850	.01030	.01030	.00850
1.393	18.107	15.45400	.02130	.01440	.00940	.00970	15.00000	.00850	.01030	.01030	.00850
1.393	22.836	15.45600	.02160	.01440	.00940	.00370	15.00000	.00850	.01030	.01030	.00850
1.393	GRADIENT	-.00000	-.00033	.00000	.00000	-.00000	.00000	.00000	.00000	.00000	.00000

DATE 10 MAR 80

OAI145 TABULATED FORCE DATA

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AMES 118-1-11 OAI145A 01

(C2F093) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

ALPHA =
 AILRON =
 SPOBRK =
 RN/L =

5.000 ELEVON = .000
 .000 BOFLAP = .000
 15.000 RUDDER = -5.000
 5.000

PARAMETRIC DATA

RUN NO. 683/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.951	-6.103	5.11120	.02400	.00830	.01940	15.00000	-4.93900	.02520	.02280	.00540	.01120
.952	-1.946	5.07400	.02110	.01040	.01940	15.00000	-4.94650	.01510	.02700	.00520	.01550
.951	-.915	5.05260	.01260	.00190	.01940	15.00000	-4.94650	.01510	.01000	.00520	-.00150
.951	.036	5.00000	.01260	.00190	.01940	15.00000	-4.94650	.01510	.01000	.00520	-.00150
.951	.589	5.14170	.01260	.00190	.01940	15.00000	-4.94650	.01510	.01000	.00520	-.00150
.950	1.077	5.19650	.01510	.00440	.01940	15.00000	-4.94650	.02020	.01000	.01030	-.00150
.949	2.149	5.17890	.01510	.00440	.01940	15.00000	-4.95400	.02020	.01000	.01030	-.00150
.951	3.190	5.15860	.01260	.00190	.01940	15.00000	-4.95400	.01510	.01000	.00520	-.00150
.948	4.231	5.15150	.01510	.00440	.01940	15.00000	-4.95400	.02020	.01000	.01030	-.00150
.947	6.312	5.13790	.01510	.00440	.01940	15.00000	-4.95400	.02020	.01000	.01030	-.00150
	GRADIENT	.02107	-.00049	-.00049	.00000	.00000	-.00160	.00073	-.00170	.00073	-.00170

RUN NO. 677/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.199	-6.106	5.31720	.02400	.01330	.00000	15.00000	-4.94650	.02530	.02280	.01540	.01120
1.200	-1.954	5.27800	.02540	.02050	.00000	15.00000	-4.95400	.02530	.02550	.01540	.02550
1.198	-.924	5.25340	.01270	.00770	.00000	15.00000	-4.95400	.02530	.00000	.01540	.00000
1.199	.053	5.04960	.01480	.00980	.00000	15.00000	-4.95400	.02530	.00430	.01540	.00430
1.199	.675	5.25540	.01480	.00980	.00000	15.00000	-4.95400	.02530	.00430	.01540	.00430
1.199	1.179	5.22420	.01690	.01200	.00000	15.00000	-4.95400	.02530	.00850	.01540	.00850
1.200	2.215	5.19870	.01690	.01200	.00000	15.00000	-4.95400	.02530	.00850	.01540	.00850
1.198	3.258	5.18350	.02120	.01620	.00000	15.00000	-4.95400	.02530	.01700	.01540	.01700
1.199	4.296	5.17420	.02540	.02050	.00000	15.00000	-4.96150	.02530	.02550	.01540	.02550
1.199	6.364	5.15400	.01690	.01200	.00000	15.00000	-4.96150	.02530	.00850	.01540	.00850
1.197	GRADIENT	-.01071	.00072	.00072	.00000	.00000	-.00078	.00000	.00143	.00000	.00143

RUN NO. 668/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.403	-6.117	5.03410	.01510	.00020	.00970	15.00000	-4.95400	.03010	.00000	.00040	.00000
1.405	-1.968	5.00090	.02750	-.01220	.00970	15.00000	-4.95400	.05490	.00000	-.02430	.00000
1.402	-.908	4.98820	.02500	-.00970	.00970	15.00000	-4.94650	.05000	.00000	-.01940	.00000
1.403	.152	5.03770	.02250	-.00720	.00970	15.00000	-4.94650	.04500	.00000	-.01440	.00000
1.403	.633	4.99350	.01510	.00020	.00970	15.00000	-4.93900	.03010	.00000	.00040	.00000
1.403	1.169	4.99250	.01510	.00020	.00970	15.00000	-4.93900	.03010	.00000	.00040	.00000
1.402	2.225	4.97450	.01720	.00230	.00970	15.00000	-4.93900	.03010	.00430	.00040	.00430
1.402	3.275	4.95800	.01930	.00450	.00970	15.00000	-4.93900	.03010	.00850	.00040	.00850
1.402	4.324	4.94560	.01930	.00450	.00970	15.00000	-4.93150	.03010	.00850	.00040	.00850
1.403	6.409	4.93000	.01900	.00910	.00970	15.00000	-4.92400	.02520	.01280	.00540	.01280
1.400	GRADIENT	-.00990	-.00131	.00293	.00000	.00000	.00311	-.00423	.00163	.00421	.00163

0A145 TABULATED FORCE DATA

DATE 10 MAR 80

(C2F084) (08 JUL 77)

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPOBRK = 40.000 RUDDER = .000
RN/L = 5.000

RUN NO. 731/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.597	-4.987	-.03420	.00750	.00180	.00970	40.00000	-.10960	.01000	.00510	-.00150
.599	-.015	-.00420	.00340	-.00030	.00970	40.00000	-.10960	.00580	.00510	-.00580
.598	2.550	.00160	.00540	-.00030	.00970	40.00000	-.10960	.00580	.00510	-.00580
.596	5.007	.03350	.01180	.00600	.00970	40.00000	-.11640	.01850	.00510	.00700
.596	7.065	.03060	.01180	.00600	.00970	40.00000	-.11640	.01850	.00510	.00700
.596	8.123	.03600	.01180	.00600	.00970	40.00000	-.12310	.01430	.00510	.00270
.597	10.156	.03420	.00970	.00390	.00970	40.00000	-.11640	.00580	.00510	-.00580
.597	12.196	.03450	.00540	-.00030	.00970	40.00000	-.11640	.00510	.00510	-.00120
.597	15.189	.04700	.01470	.00320	.00970	40.00000	-.08270	.02430	.00510	-.00061
	GRADIENT	.00492	-.00030	-.00030	.00000	.00000	-.00000	-.00060	.00000	

RUN NO. 726/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.799	-4.991	-.03350	.01570	-.01060	.00970	40.00000	-.11640	.01150	-.00980	-.01150
.799	-.017	.00210	.01570	-.01060	.00970	40.00000	-.11640	.01150	-.00980	-.01150
.799	2.543	.00720	.01570	-.01060	.00970	40.00000	-.09620	.01150	-.00980	-.01150
.796	5.029	.03460	.01570	-.01060	.00970	40.00000	-.08940	.00580	-.00980	-.00580
.796	7.135	.02540	.01290	-.00780	.00970	40.00000	-.10290	.00000	-.00980	-.00000
.797	8.158	.02750	.01000	-.00490	.00970	40.00000	-.09620	.01730	-.00980	-.01730
.801	10.166	.03030	.01860	-.01350	.00970	40.00000	-.07590	.01150	-.00980	-.01150
.796	12.247	.03670	.01570	-.01060	.00970	40.00000	-.08940	.01150	-.00980	-.01150
.797	15.274	.03420	.01570	-.01060	.00970	40.00000	-.08940	.00000	-.00000	-.00000
	GRADIENT	.00564	-.00000	.00000	-.00000	-.00000	.00232	-.00000	.00000	

RUN NO. 725/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.900	-4.916	-.03940	.01570	-.01060	.01940	40.00000	-.08940	.01150	-.00980	-.01150
.909	-.056	-.02080	.01570	-.01060	.00970	40.00000	-.06240	.01150	-.00980	-.01150
.900	2.565	.00600	.01570	-.01060	.07760	40.00000	-.10960	.01150	-.00980	-.01150
.899	5.058	.03580	.01570	-.01060	.00970	40.00000	-.08270	.01150	-.00980	-.01150
.900	7.162	.02960	.01570	-.01060	.00970	40.00000	-.12310	.00580	-.00980	-.00580
.900	8.174	.02830	.01290	-.00780	.00970	40.00000	-.10960	.00580	-.00980	-.00580
.899	10.225	.02990	.01290	-.00780	.00970	40.00000	-.08940	.00580	-.00980	-.00580
.899	12.232	.02840	.01570	-.01060	.00970	40.00000	-.09620	.01150	-.00980	-.01150
.897	15.283	.04010	.01570	-.01060	.01940	40.00000	-.09620	.01150	-.00980	-.01150
	GRADIENT	.00630	.00000	.00000	.00655	.00000	-.00166	-.00000	-.00000	

0A145 TABULATED FORCE DATA

DATE 10 MAR 80

ANES 118-1-11 0A145A 01

(C2F094) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1075.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = 0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 40.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 717/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-1B	ELV-OB	AIL-1B	AIL-OB
.950	-5.032	-.03760	.01290	-.00780	.00970	40.00000	-.09620	.02000	.00580	-.00980	-.00580
.951	-.005	-.00240	.01500	-.00560	.01940	40.00000	-.09620	.02000	.01000	-.00980	-.00150
.949	2.541	.00980	.01750	-.00310	.01940	40.00000	-.08940	.02500	.01000	-.00470	-.00150
.950	4.989	.03250	.01540	-.00520	.01940	40.00000	-.10290	.02500	.00580	-.00470	-.00580
.949	7.041	.02790	.01750	-.00310	.01940	40.00000	-.07590	.02500	.01000	-.00470	-.00150
.950	8.063	.02590	.01960	-.00100	.01940	40.00000	-.07590	.02500	.01430	-.00470	.00270
.949	10.100	.02580	.01750	-.00310	.01940	40.00000	-.09620	.02500	.01000	-.00470	-.00150
.950	12.164	.02000	.01750	-.00310	.01940	40.00000	-.10290	.02500	.01000	-.00470	-.00150
.950	15.239	.02350	.01210	-.00280	.01940	40.00000	-.04220	.02000	.00430	-.00980	.00430
	GRADIENT	.00697	.00009	.00009	-.00000	.00000	-.00132	.00101	-.00084	.00103	-.00086

RUN NO. 713/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-1B	ELV-OB	AIL-1B	AIL-OB
1.200	-5.010	-.03500	.01290	-.00780	.00970	40.00000	-.10290	.02000	.00580	-.00980	-.00580
1.203	.004	-.00150	.01290	-.00780	.00970	40.00000	-.09620	.02000	.00580	-.00980	-.00580
1.200	2.559	.00360	.01290	-.00780	.00970	40.00000	-.09620	.02000	.00580	-.00980	-.00580
1.198	5.094	.03280	.01290	-.00780	.00970	40.00000	-.08940	.02000	.00580	-.00980	-.00580
1.196	7.158	.02690	.01290	-.00780	.00970	40.00000	-.08940	.02000	.00580	-.00980	-.00580
1.198	8.193	.02390	.01000	-.00490	.00970	40.00000	-.08940	.02000	.00000	-.00980	.00000
1.198	10.175	.02320	.01290	-.00780	.00970	40.00000	-.10290	.02000	.00580	-.00980	-.00580
1.201	12.208	.01340	.01540	-.00520	.00970	40.00000	-.10960	.02500	.00580	-.00470	-.00580
1.199	15.261	.02660	.01290	-.00780	.00970	40.00000	-.11640	.02000	.00580	-.00980	-.00580
	GRADIENT	.00200	.00000	.00000	.00000	.00000	-.00000	.00000	.00000	.00000	-.00000

RUN NO. 710/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-1B	ELV-OB	AIL-1B	AIL-OB
1.399	-4.975	-3.22370	.02680	.00120	.01940	40.00000	-.11640	.03510	.01850	-.00450	.00700
1.405	.032	-.00430	.01960	-.00100	.01940	40.00000	-.09620	.02500	.01430	-.00470	.00270
1.403	2.589	.00050	.02180	.00120	.01940	40.00000	-.09620	.02500	.01850	-.00470	.00700
1.400	5.161	.03020	.01960	-.00100	.01940	40.00000	-.08940	.02500	.01430	-.00470	.00270
1.400	7.198	.01860	.01250	-.00230	.01940	40.00000	-.10290	.02500	.00000	-.00470	.00000
1.399	8.188	.01860	.01680	-.00190	.01940	40.00000	-.10290	.02500	.00850	-.00470	.00850
1.399	10.072	.01450	.01960	-.00100	.01940	40.00000	-.10960	.02500	.01430	-.00470	.00270
1.399	12.114	.01080	.01540	-.00520	.00970	40.00000	-.10960	.02500	.01000	-.00470	-.00580
1.397	15.070	.02870	.01750	-.00310	.00970	40.00000	-.10290	.02500	.01000	-.00470	-.00150
	GRADIENT	.45617	-.00077	-.00006	-.00000	.00000	.00286	-.00143	-.00012	-.00003	-.00012

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OAI45 TABULATED FORCE DATA

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(C2F095) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA =
 AILRON =
 SPOBRK =
 RN/L =

ELEVON = .000
 BDFLAP = .000
 RUDDER = .000

5.000
 40.000
 5.000

RUN NO. 728/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.597	-6.054	5.08210	.02460	-.00670	.00970	40.00000	-.13210	.02490	.02430	-.01470	.00120
.596	-1.926	5.04320	.02460	-.00670	.00000	40.00000	-.18590	.02490	.02430	-.01470	.00120
.596	-.881	5.01270	.04930	-.03150	.00000	40.00000	-.19490	.07440	.02430	-.06420	.00120
.597	.028	4.93410	.04440	-.02650	.00000	40.00000	-.20390	.06450	.02430	-.05430	.00120
.597	.642	5.04380	.02210	-.00430	.00000	40.00000	-.08940	.02000	.02430	-.00980	.00120
.597	1.144	5.06520	.01750	-.00390	.00000	40.00000	-.08270	.01500	.02000	-.00480	-.00300
.598	2.190	5.04880	.01750	-.00390	.00000	40.00000	-.10960	.01500	.02000	-.00480	-.00300
.598	3.221	5.03260	.01750	-.00390	.00000	40.00000	-.11640	.01500	.02000	-.00480	-.00300
.597	4.258	5.01640	.01750	-.00390	.00000	40.00000	-.12310	.01500	.02000	-.00480	-.00300
.596	6.319	4.99010	.01750	-.00390	.00000	40.00000	-.14110	.01500	.02000	-.00480	-.00300
	GRADIENT	.00248	-.00380	.00288	.00000	.00000	.01436	-.00668	-.00092	.00668	-.00090

RUN NO. 727/ 0

RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.800	-6.098	5.16350	.01570	-.01060	.00970	40.00000	-.08940	.02000	.01150	-.00980	-.01150
.799	-1.955	5.00890	.01570	-.01060	.00970	40.00000	-.19490	.02000	.01150	-.00980	-.01150
.799	-.913	4.99020	.01570	-.01060	.00970	40.00000	-.10960	.02000	.01150	-.00980	-.01150
.799	.094	4.82910	.01570	-.01060	.00970	40.00000	-.10290	.02000	.01150	-.00980	-.01150
.798	.663	5.00020	.01570	-.01060	.00970	40.00000	-.09620	.02000	.01150	-.00980	-.01150
.799	1.158	5.01980	.01570	-.01060	.00970	40.00000	-.11640	.02000	.01150	-.00980	-.01150
.798	2.203	5.00150	.01570	-.01060	.00970	40.00000	-.12310	.02000	.01150	-.00980	-.01150
.797	3.249	4.98600	.01570	-.01060	.00970	40.00000	-.14110	.02000	.01150	-.00980	-.01150
.798	4.288	4.97030	.01570	-.01060	.00970	40.00000	-.18590	.02000	.01150	-.00980	-.01150
.797	6.355	4.94440	.01570	-.01060	.00970	40.00000	-.18590	.02000	.01150	-.00980	-.01150
	GRADIENT	.00138	.00000	-.00000	.00000	.00000	.00365	.00000	.00000	.00000	.00000

RUN NO. 724/ 0

RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.902	-6.094	5.03450	.01290	-.00780	.00970	40.00000	-.08270	.02000	.00580	-.00980	-.00580
.902	-1.962	5.04240	.01820	-.01310	.01940	40.00000	-.19490	.02490	.01150	-.01470	-.01150
.898	-.906	5.02100	.01820	-.01310	.01940	40.00000	-.19490	.02490	.01150	-.01470	-.01150
.901	.105	4.90210	.01530	-.01020	.00970	40.00000	-.12310	.02490	.00580	-.01470	-.00580
.899	.656	4.98670	.01570	-.01060	.01940	40.00000	-.12310	.02000	.01150	-.00980	-.01150
.900	1.156	4.94320	.01820	-.01310	.01940	40.00000	-.11640	.02490	.01150	-.01470	-.01150
.902	2.223	4.95330	.01820	-.01310	.01940	40.00000	-.12310	.02490	.01150	-.01470	-.01150
.899	3.266	4.96240	.01820	-.01310	.01940	40.00000	-.15000	.02490	.01150	-.01470	-.01150
.900	4.304	4.97040	.01820	-.01310	.01940	40.00000	-.15000	.02490	.01150	-.01470	-.01150
.896	6.376	4.94120	.01570	-.01060	.00970	40.00000	-.12310	.02000	.01150	-.00980	-.01150
	GRADIENT	-.00687	.00013	-.00013	.00031	.00000	.00571	.00007	.00019	-.00007	-.00019

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OAI45 TABULATED FORCE DATA

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(C2F095) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPOBRK = 40.0000 RUDDER = .000
 RN/L = 5.000

RUN NO. 718/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-08	ELV-1B	AIL-08
.952	-6.113	4.99130	.01750	-.00310	.01940	40.00000	-.10290	.01000	-.00470	-.00150
.952	-1.975	4.98030	.01750	-.00310	.01940	40.00000	-.16800	.01000	-.00470	-.00150
.951	-.927	4.96860	.01960	-.00100	.01940	40.00000	-.10960	.01430	-.00470	.00270
.951	.148	5.00180	.01960	-.00100	.01940	40.00000	-.11640	.01430	-.00470	.00270
.950	.636	4.99190	.01960	-.00100	.00970	40.00000	-.12310	.01430	-.00470	.00270
.950	1.158	4.98430	.01710	-.00350	.00970	40.00000	-.12310	.01430	-.00980	.00270
.950	2.217	4.95730	.02180	-.00120	.01940	40.00000	-.11640	.01850	-.00470	.00700
.948	3.268	4.93390	.01920	-.00140	.01940	40.00000	-.13210	.01850	-.00980	.00700
.951	4.310	4.91730	.01920	-.00140	.01940	40.00000	-.10290	.01850	-.00980	.00700
.948	6.380	4.87730	.01920	-.00140	.01940	40.00000	-.10290	.01850	-.00980	.00700
	GRADIENT	-.01066	.00021	.00021	.00013	.00000	.00508	.00131	-.00089	.00132

RUN NO. 714/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-08	ELV-1B	AIL-08
1.203	-6.126	5.20280	.01290	-.00780	.00970	40.00000	-.04220	.00580	-.00980	-.00580
1.199	-1.958	5.15620	.01540	-.00520	.00970	40.00000	-.10290	.00580	-.00470	-.00580
1.201	-.912	5.04050	.01540	-.00520	.00970	40.00000	-.10960	.00580	-.00470	-.00580
1.199	.136	5.09570	.01540	-.00520	.00970	40.00000	-.12310	.00580	-.00470	-.00580
1.201	.614	4.99940	.01750	-.00310	.00970	40.00000	-.12310	.01000	-.00470	-.00150
1.200	1.134	4.98540	.01960	-.00100	.00970	40.00000	-.12310	.01430	-.00470	.00270
1.201	2.193	4.99090	.01960	-.00100	.00970	40.00000	-.12310	.01430	-.00470	.00270
1.200	3.244	4.97360	.01540	-.00520	.00970	40.00000	-.10960	.00580	-.00470	-.00580
1.198	4.289	4.96340	.01540	-.00520	.00970	40.00000	-.12310	.00580	-.00470	-.00580
1.199	6.358	4.94710	.01540	-.00520	.00970	40.00000	-.15000	.00580	-.00470	-.00580
	GRADIENT	-.02730	.00012	.00012	.00000	.00000	-.00195	.00025	-.00000	.00025

RUN NO. 708/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-08	ELV-1B	AIL-08
1.407	-6.245	5.08760	.02180	.00120	.00970	40.00000	-.12310	.01850	-.00470	.00700
1.407	-2.078	5.08260	.02500	.00540	.00970	40.00000	-.09620	.02700	-.00470	.01550
1.406	-.1028	5.09860	.02810	.00750	.01940	40.00000	-.12310	.03130	-.00470	.01970
1.406	.055	5.06810	.01750	-.00310	.01940	40.00000	-.12310	.01000	-.00470	-.00150
1.406	.571	5.04600	.01960	-.00100	.01940	40.00000	-.12310	.01430	-.00470	.00270
1.406	1.101	5.04850	.01960	-.00100	.01940	40.00000	-.12310	.01430	-.00470	.00270
1.406	2.148	5.04750	.01960	-.00100	.01940	40.00000	-.12310	.01430	-.00470	.00270
1.405	3.199	5.05070	.01960	-.00100	.01940	40.00000	-.13210	.01430	-.00470	.00270
1.404	4.245	5.05150	.01960	-.00100	.01940	40.00000	-.14110	.01430	-.00470	.00270
1.404	6.358	5.05570	.02390	.00330	.01940	40.00000	-.17690	.02280	-.00470	.01120
1.402		-.00581	-.00113	-.00113	.00096	.00000	-.00514	-.00224	-.00000	-.00225

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OAI45 TABULATED FORCE DATA

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(C2F096) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. X0
 LREF = 474.8100 INCHES YMRP = .0000 IN. Y0
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. Z0
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPDBRK = 40.000
 RN/L = 5.000

RUN NO. 730/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-OB	AIL-IB	AIL-OB
.596	-14.976	4.85810	.04920	.01290	-.00360	.00970	40.00000	.01580	.00010	-.00730
.597	-10.727	4.85880	.04600	.01040	-.00110	.00970	40.00000	.01580	.00510	-.00730
.597	-4.932	5.02800	.04180	.00750	.00180	.00000	40.00000	.01000	.00510	-.00150
.597	-2.426	5.02820	.03960	.00750	.00180	.00970	40.00000	.01000	.00510	-.00150
.597	-.089	5.02890	.03730	.00750	.00180	.00970	40.00000	.01000	.00510	-.00150
.597	2.505	5.02970	.03400	.00750	.00180	.00000	40.00000	.01000	.00510	-.00150
.597	4.996	5.01560	.03090	.00750	.00180	.00000	40.00000	.01000	.00510	-.00150
.598	10.027	5.01600	.02650	.00750	.00180	.00000	40.00000	.01000	.00510	-.01880
.597	14.970	5.01770	.02220	.01620	-.00680	.04850	40.00000	.02730	.00510	-.00150
.597	18.134	5.01730	.02040	.00750	.00180	.00970	40.00000	.01000	.00510	-.00730
.597	22.827	5.01740	.01720	.01040	-.00110	.00970	40.00000	.01580	.00510	-.00730
	GRADIENT	-.00095	-.00111	.00000	.00000	-.00040	.00000	.00000	.00000	-.00000

RUN NO. 721/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-OB	AIL-IB	AIL-OB
.900	-14.976	4.90670	.20000	.02670	-.00460	.01940	40.00000	.02850	-.01470	.00550
.901	-10.754	4.90650	.18900	.02670	-.00460	.02910	40.00000	.02850	-.01470	.00550
.902	-4.947	4.90930	.17570	.02670	-.00460	.01940	40.00000	.02850	-.01470	.00550
.900	-2.426	4.90790	.16930	.02880	-.00250	.01940	40.00000	.03280	-.01470	.00970
.902	-.123	4.91270	.14630	.02600	.00040	.01940	40.00000	.02700	-.01470	.01550
.901	2.531	4.91290	.13720	.02880	-.00250	.00970	40.00000	.03280	-.01470	.00970
.899	10.027	5.05000	.01720	.02670	-.00460	.01940	40.00000	.02850	-.01470	.00550
.902	15.022	5.05360	.01240	.02380	-.00170	.00970	40.00000	.02280	-.01470	.01120
.901	18.116	5.05110	.01020	.02380	-.00170	.01940	40.00000	.02280	-.01470	.01120
.901	22.827	5.04860	.00700	.01530	-.01020	.01940	40.00000	.00580	-.01470	-.00580
.900	GRADIENT	.00062	-.00557	.00015	.00036	-.00120	.00000	.00031	.00000	.00072

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OA145 TABULATED FORCE DATA

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(C2F096) (08 JUL 77)

REFERENCE DATA

SREF	=	2690.0000	SO.FT.	XMRP	=	1076.6800	IN. X0
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. Y0
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. Z0
SCALE	=	.0500					

PARAMETRIC DATA

ALPHA
ELEVON
BOFLAP
RN/L

BETA	=	.000
AILRON	=	.000
SPDBRK	=	40.000

RUN NO.	720/ 0	RN/L =	5.07	GRADIENT INTERVAL =	-5.00/	5.00
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MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPOBRK	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.952	-14.993	4.98470	.19470	.02430	-.00130	.01940	40.00000	.03000	.01850	-.00960	.00700
.951	-10.745	4.98320	.18050	.02170	-.00390	.01940	40.00000	.02490	.01850	-.01470	.00700
.951	-4.924	4.98150	.16860	.02170	-.00390	.00970	40.00000	.03000	.01850	-.00960	.00700
.950	-2.426	4.97970	.16310	.02430	-.00130	.01940	40.00000	.03000	.01850	-.00960	.00700
.952	-1.103	4.98360	.15650	.02430	-.00130	.01940	40.00000	.03000	.01850	-.00960	.00700
.950	2.513	4.98240	.14980	.02170	-.00390	.00970	40.00000	.02490	.01850	-.01470	.00700
.951	3.308	4.98360	.14650	.02170	-.00390	.00970	40.00000	.02490	.01850	-.01470	.00700
.951	5.033	4.98440	.14220	.02430	-.00130	.01940	40.00000	.03000	.01850	-.00960	.00700
.951	10.019	4.98700	.12990	.02430	-.00130	.01940	40.00000	.03000	.01850	-.00960	.00700
.951	15.022	4.98910	.11820	.02430	-.00130	.01940	40.00000	.03000	.01850	-.00960	.00700
.951	18.134	4.99100	.11110	.02710	-.00420	.01940	40.00000	.03000	.02430	-.00960	.00120
.950	22.827	4.99370	.10220	.02710	-.00420	.00970	40.00000	.03000	.02430	-.00960	.00120
GRADIENT	.00031		-.00266	-.00010	-.00010	-.00039	.00000	-.00020	-.00000	-.00020	-.00000

RUN NO.	712/ 0	RN/L =	5.02	GRADIENT	INTERVAL =	-5.00/	5.00
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MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.200	-14.965	4.99920	.03340	.01290	-.00780	.00970	40.00000	.02000	.00580	-.00980	-.00580
1.202	-10.754	4.99350	.03160	.01540	-.00520	.00970	40.00000	.02500	.00580	-.00470	-.00580
1.201	-4.947	4.99170	.03000	.01000	-.00490	.00970	40.00000	.02000	.00000	-.00980	.00000
1.199	-2.451	4.99260	.02880	.01290	-.00780	.00970	40.00000	.02000	.00580	-.00980	-.00580
1.200	-.096	4.99230	.02660	.01540	-.00520	.19410	40.00000	.02500	.00580	-.00470	-.00580
1.200	2.496	4.99220	.02330	.01540	-.00520	.00000	40.00000	.02500	.00580	-.00470	-.00580
1.201	5.024	4.99230	.02140	.01290	-.00780	.00970	40.00000	.02000	.00580	-.00980	-.00580
1.200	10.003	4.99510	.01860	.01540	-.00520	.00000	40.00000	.02500	.00580	-.00470	-.00580
1.201	15.005	4.99760	.01590	.01540	-.00520	.00970	40.00000	.02500	.00580	-.00470	-.00580
1.200	18.125	5.00290	.01460	.01540	-.00520	.00970	40.00000	.02500	.00580	-.00470	-.00580
1.200	22.818	5.00620	.01300	.01540	-.00520	.00970	40.00000	.02500	.00580	-.00470	-.00580
1.199	GRADIENT	.07005	-.00090	.00075	.00007	.00579	.00000	.00080	.00070	.00082	-.00070

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OAI145 TABULATED FORCE DATA

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AMES 118-1-11 OAI145A 01

(C2F096) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPDBRK = 40.000
 RN/L = 5.000

RUN NO. 711/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-08	AIL-18	AIL-08
1.407	-14.993	4.94380	.02900	.01750	-.00310	.00970	40.00000	.01000	-.00470	-.00150
1.406	-10.745	4.94030	.02750	.02210	-.00340	.00970	40.00000	.01430	-.00960	.00270
1.404	-4.947	4.94020	.02600	.02180	.00120	.00970	40.00000	.01850	-.00470	.00700
1.403	-2.418	4.94110	.02450	.02180	.00120	.00970	40.00000	.01850	-.00470	.00700
1.402	-1.110	4.94190	.02300	.02180	.00120	.00970	40.00000	.01430	-.00960	.00270
1.403	2.505	4.94130	.02080	.02210	-.00340	.00970	40.00000	.01430	-.00960	.00270
1.402	5.005	4.94250	.01960	.02210	-.00100	.00970	40.00000	.01430	-.00470	.00270
1.403	10.011	4.94450	.01690	.01960	-.00340	.00970	40.00000	.01430	-.00960	.00270
1.403	15.022	4.94610	.01460	.02210	-.00100	.00970	40.00000	.01430	-.00470	.00270
1.402	18.107	4.94880	.01330	.01960	-.00100	.00970	40.00000	.01430	-.00470	.00270
1.402	22.780	4.95210	.01160	.01960	-.00100	.00970	40.00000	.01430	-.00470	.00270
1.402	GRADIENT	.00016	-.00069	.00004	-.00057	-.00000	-.00000	-.00052	-.00060	-.00053

AMES 118-1-11 OAI145A 01

(C2F097) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 40.000 RUDDER = -5.000
 RN/L = 5.000

RUN NO. 729/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-08	AIL-18	AIL-08
.598	-6.019	5.07160	.01750	-.00390	.00000	40.00000	-4.93900	.02000	-.00480	-.00300
.598	-1.918	5.00950	.01290	-.00360	.00000	40.00000	-4.94650	.01580	.00010	-.00730
.597	-.881	4.97350	.01290	-.00360	.00000	40.00000	-4.95400	.01580	.00010	-.00730
.598	.079	4.71380	.01290	-.00360	.00000	40.00000	-4.94650	.01580	.00010	-.00730
.597	.627	4.97980	.01290	-.00360	.00000	40.00000	-4.95400	.01580	.00010	-.00730
.597	1.152	5.02140	.01290	-.00360	.00000	40.00000	-4.95400	.01580	.00010	-.00730
.597	2.199	5.00240	.01290	-.00360	.00000	40.00000	-4.95400	.01580	.00010	-.00730
.597	3.229	4.98700	.01290	-.00360	.00000	40.00000	-4.95400	.01580	.00010	-.00730
.597	4.265	4.97140	.01290	-.00360	.00000	40.00000	-4.95400	.01580	.00010	-.00730
.597	6.323	4.94730	.01290	-.00360	.00000	40.00000	-4.95400	.01580	.00010	-.00730
.597	GRADIENT	.00695	.00000	-.00000	.00000	-.00000	-.00136	.00000	.00000	-.00000

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OAI45 TABULATED FORCE DATA

AMES 118-1-11 OAI45A 01

(C2F097) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = 0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

ALPHA =
 AILRON =
 SPOBRK =
 RN/L =

5.000 ELEVON = .000
 .000 BDFLAP = .000
 40.000 RUDDER = -5.000
 5.000

PARAMETRIC DATA

RUN NO. 723/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-08	AIL-08	ELV-1B	AIL-1B
.902	-6.110	5.18120	.01820	-.01310	.00970	40.00000	-4.94650	.01150	-.01470	.02490	-.01470
.900	-1.948	4.97220	.01530	-.01020	.00970	40.00000	-4.96900	.00580	-.01470	.02490	-.01470
.900	-.904	4.95520	.01820	-.01310	.00970	40.00000	-4.97650	.01150	-.01470	.02490	-.01470
.900	.164	4.91440	.01820	-.01310	.00970	40.00000	-4.97650	.01150	-.01470	.02490	-.01470
.899	.662	5.07080	.01820	-.01310	.00970	40.00000	-4.97650	.01150	-.01470	.02490	-.01470
.900	1.191	5.11470	.01820	-.01310	.00970	40.00000	-4.97650	.01150	-.01470	.02490	-.01470
.898	2.231	5.08940	.01820	-.01310	.00970	40.00000	-4.97650	.01150	-.01470	.02490	-.01470
.898	3.275	5.07360	.01820	-.01310	.00970	40.00000	-4.97650	.01150	-.01470	.02490	-.01470
.899	4.312	5.05600	.01820	-.01310	.00970	40.00000	-4.97650	.01150	-.01470	.02490	-.01470
.897	6.384	4.94140	.01530	-.01020	.00970	40.00000	-4.94650	.00580	-.01470	.02490	-.01470
	GRADIENT	.02180	.00029	-.00029	.00035	.00000	-.00263	.00057	-.00000	.00000	-.00057

RUN NO. 719/ 0 RN/L = 5.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-08	AIL-08	ELV-1B	AIL-1B
.953	-6.100	4.99520	.02180	.00120	.00970	40.00000	-4.94650	.01850	-.00470	.02500	-.00470
.950	-1.952	4.98300	.02180	.00120	.00970	40.00000	-4.95400	.01850	-.00470	.02500	-.00470
.952	-.903	4.97320	.02180	.00120	.00970	40.00000	-4.95400	.01850	-.00470	.02500	-.00470
.951	.169	5.00130	.02180	.00120	.00970	40.00000	-4.95400	.01850	-.00470	.02500	-.00470
.951	.646	4.99570	.02170	-.00390	.00970	40.00000	-4.95400	.01850	-.00470	.02490	-.00470
.951	1.170	4.98470	.02170	-.00390	.00970	40.00000	-4.95400	.01850	-.00470	.02490	-.00470
.949	2.228	4.95690	.02430	-.00130	.00970	40.00000	-4.96150	.01850	-.00960	.03000	-.00960
.950	3.276	4.93420	.02430	-.00130	.00970	40.00000	-4.96900	.01850	-.00960	.03000	-.00960
.950	4.318	4.91440	.02170	-.00390	.00970	40.00000	-4.97650	.01850	-.00960	.02490	-.00960
.948	6.385	4.87740	.02430	-.00130	.00970	40.00000	-4.96150	.01850	-.00960	.03000	-.00960
	GRADIENT	-.01161	.00025	-.00080	.00000	.00000	-.00366	.00000	-.00158	.00052	-.00158

RUN NO. 715/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-08	AIL-08	ELV-1B	AIL-1B
1.200	-6.087	5.05370	.01960	-.00100	.00970	40.00000	-4.96900	.01430	-.00470	.02500	-.00470
1.200	-1.944	5.01770	.01710	-.00350	.00970	40.00000	-4.99150	.01430	-.00980	.02000	-.00980
1.200	-.897	5.00960	.01710	-.00350	.00000	40.00000	-4.97650	.01430	-.00980	.02000	-.00980
1.199	.146	5.10120	.01710	-.00350	.00970	40.00000	-4.98400	.01430	-.00980	.02000	-.00980
1.200	.642	5.04420	.01920	-.00140	.00970	40.00000	-4.98400	.01430	-.00980	.02000	-.00980
1.200	1.153	5.03130	.01710	-.00350	.00970	40.00000	-4.98400	.01430	-.00980	.02000	-.00980
1.200	2.207	5.00070	.01920	-.00140	.00970	40.00000	-4.98400	.01430	-.00980	.02000	-.00980
1.200	3.256	4.98160	.01920	-.00140	.00970	40.00000	-4.98400	.01430	-.00980	.02000	-.00980
1.199	4.296	4.96950	.02140	.00070	.00970	40.00000	-4.93900	.02280	-.00980	.02000	-.00980
1.199	6.361	4.95400	.01710	-.00350	.00000	40.00000	-4.93900	.01430	-.00980	.02000	-.00980
1.197	GRADIENT	-.01069	.00064	-.00063	.00064	-.00000	.00497	.00127	-.00000	.00127	-.00000

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OAI45 TABULATED FORCE DATA

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(C2F097) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 709/ 0 RN/L = 4.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-08	AIL-08	AIL-0B
1.404	-6.218	5.13280	.02180	.00120	.00970	40.00000	-4.96150	.01850	-.00470	.00700
1.409	-2.071	5.09940	.02180	.00120	.00970	40.00000	-4.98400	.01850	-.00470	.00700
1.408	-1.017	5.11210	.02180	.00120	.00970	40.00000	-4.98400	.01850	-.00470	.00700
1.407	.057	5.06850	.02180	.00120	.00970	40.00000	-4.96900	.01850	-.00470	.00700
1.406	.572	5.05740	.02180	.00120	.00970	40.00000	-4.93900	.01850	-.00470	.00700
1.407	1.107	5.06060	.02180	.00120	.00970	40.00000	-4.93900	.01430	-.00470	.00270
1.405	2.158	5.05990	.01960	-.00100	.00970	40.00000	-4.93900	.01430	-.00470	.00270
1.405	3.203	5.06060	.01960	-.00100	.00970	40.00000	-4.93900	.01850	-.00040	.00700
1.404	4.247	5.06150	.02430	.00370	.00970	40.00000	-4.95400	.02280	-.00470	.01120
1.404	6.359	5.06440	.02390	.00330	.00970	40.00000	-4.95400	-.00044	.00052	-.00045
1.402	GRADIENT	-.00735	.00003	.00003	.00000	.00000	.00834			

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 40.000 RUDDER = -5.000
 RN/L = 5.000

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(C2F098) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 585/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-08	AIL-08	AIL-0B
.598	-.02980	-5.044	.01500	-.00560	.00000	55.00000	-.12310	.01000	-.00980	-.00150
.598	.00400	-.053	.01500	-.00560	.00000	55.00000	-.12310	.01000	-.00980	-.00150
.597	.01120	2.496	.01500	-.00560	.00000	55.00000	-.14110	.01000	-.00980	-.00150
.598	.03940	4.995	.01210	-.00280	.04850	55.00000	-.14110	.00430	-.00980	.00430
.599	.03850	7.036	.01000	-.00490	.00000	55.00000	-.15900	.00000	-.00980	.00000
.597	.03890	8.071	.01000	-.00490	.00000	55.00000	-.15900	.00000	-.00980	.00430
.597	.03690	10.116	.01210	-.00280	.00000	55.00000	-.15900	.00430	-.00980	.00270
.597	.03040	12.179	.01710	-.00350	.00000	55.00000	-.14110	.01430	-.00980	.00850
.599	.04210	15.203	.01420	-.00060	.00000	55.00000	-.13210	.00850	-.00980	.00114
.599	GRADIENT	.00699	-.00057	.00055	.00957	.00000	-.00358	-.00112	.00000	

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 55.000 RUDDER = 5.000

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AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000
 AILRON = .000
 SPOBRK = 55.000
 RUDDER = 5.000
 ELEVON = .000
 BDFLAP = .000
 RUDDER = .000

RUN NO. 579/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.797	-5.031	.08650	.01920	-.00140	.00000	55.00000	-.15900	.01850	-.00980	.00700
.799	.008	.07670	.01920	-.00140	.00970	55.00000	-.15000	.01850	-.00980	.00700
.799	2.739	.08420	.01710	-.00350	.00970	55.00000	-.13210	.01430	-.00980	.00270
.799	5.189	.07100	.01710	-.00350	.00000	55.00000	-.12310	.01430	-.00980	.00270
.797	7.199	.08600	.01500	-.00560	.00000	55.00000	-.12310	.01000	-.00980	-.00150
.798	8.265	.10090	.01500	-.00560	.00970	55.00000	-.11640	.01000	-.00980	-.00150
.798	9.319	.10870	.01500	-.00560	.00970	55.00000	-.13210	.01000	-.00980	-.00150
.799	10.184	.11890	.01500	-.00560	.03880	55.00000	-.10960	.01000	-.00980	-.00150
.798	11.292	.12730	.01710	-.00350	.00000	55.00000	-.10290	.01430	-.00980	.00270
.798	12.259	.13750	.01500	-.00560	.00970	55.00000	-.10290	.01000	-.00980	-.00150
.798	15.278	.17370	.01500	-.00560	.00970	55.00000	-.10290	.01000	-.00980	-.00150
.799	GRADIENT	.00275	-.00077	-.00077	.00000	-.00000	.00655	-.00154	.00000	-.00157

RUN NO. 563/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.899	-5.104	-.04160	.01500	-.00560	.01940	55.00000	-.10960	.01000	-.00980	-.00150
.899	-.126	-.00530	.01710	-.00350	.01940	55.00000	-.10960	.01430	-.00980	.00270
.899	2.426	-.00170	.01710	-.00350	.01940	55.00000	-.10960	.01430	-.00980	.00270
.902	4.982	.03660	.01500	-.00560	.01940	55.00000	-.09620	.01000	-.00980	-.00150
.903	7.102	.02220	.01500	-.00560	.05820	55.00000	-.09620	.01000	-.00980	-.00150
.898	8.114	.01990	.01500	-.00560	.01940	55.00000	-.10290	.01000	-.00980	-.00150
.900	10.158	.01910	.01500	-.00560	.01940	55.00000	-.09620	.01000	-.00980	-.00150
.901	12.223	.01820	.01500	-.00560	.01940	55.00000	-.11640	.01000	-.00980	-.00150
.901	15.254	.02610	.01710	-.00350	.01940	55.00000	-.10960	.01430	-.00980	.00270
.903	GRADIENT	.00820	-.00041	-.00041	.00000	.00000	.00262	-.00084	.00000	-.00082

RUN NO. 560/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.950	-5.113	-.04150	.01790	-.00850	.01940	55.00000	-.10290	.01580	-.00980	-.00730
.950	-.082	-.00530	.01790	-.00850	.00970	55.00000	-.10290	.01580	-.00980	-.00730
.950	2.462	-.00110	.01790	-.00850	.00970	55.00000	-.10290	.01000	-.00980	-.00150
.951	5.051	.03440	.01500	-.00560	.01940	55.00000	-.10290	.01000	-.00980	-.00150
.950	7.112	.02050	.01290	-.00780	.01940	55.00000	-.10290	.00580	-.00980	-.00580
.950	8.145	.01790	.01790	-.00850	.01940	55.00000	-.09620	.01580	-.00980	-.00730
.949	10.200	.01700	.01290	-.00780	.01940	55.00000	-.10960	.00580	-.00980	-.00580
.949	12.223	.01680	.01290	-.00780	.01940	55.00000	-.10960	.00580	-.00980	-.00580
.949	15.268	.02610	.01570	-.01060	.01940	55.00000	-.10290	.01150	-.00980	-.01150
.954	GRADIENT	.00165	.00000	.00000	-.00000	.00000	.00000	.00000	.00000	.00000

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(C2F098) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BOFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 5.000

RUN NO. 551/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
1.100	-5.114	-.03920	.02920	-.00250	.01940	55.00000	-.07590	.03850	-.00980	.00400
1.102	-.038	-.01170	.02210	-.00430	.00970	55.00000	-.07530	.02430	-.00980	.00120
1.098	2.479	.00550	.01680	.00110	.00000	55.00000	-.07590	.01850	-.00480	.00700
1.099	5.060	.02980	.01460	-.00100	.00000	55.00000	-.07590	.01430	-.00480	.00270
1.102	7.125	.01460	.01750	-.00390	.00970	55.00000	-.06920	.02000	-.00480	.00300
1.101	8.145	.01460	.01460	-.00100	.01940	55.00000	-.06920	.01430	-.00480	.00270
1.100	10.194	.01220	.01710	-.00350	.00970	55.00000	-.06920	.01430	-.00980	.00270
1.102	12.227	.00750	.02000	-.00640	.00970	55.00000	-.06240	.02000	-.00980	.00270
1.099	15.268	.01890	.01710	-.00350	.00970	55.00000	-.06240	.01430	-.00980	.00270
	GRADIENT	.00683	-.00211	.00215	-.00385	.00000	.00000	-.00129	.00199	.00230

RUN NO. 534/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
1.200	-5.129	-.03680	.02040	-.00600	.00970	55.00000	-.12310	.01580	-.00470	.00730
1.207	-.860	-.00490	.01530	-.01110	.00000	55.00000	-.12310	.01580	-.01490	.00730
1.200	2.486	.00420	.01320	-.01320	.00970	55.00000	-.11640	.01150	-.01490	.01150
1.198	5.113	.03070	.01570	-.01060	.00970	55.00000	-.11640	.01150	-.00980	.01150
1.198	7.162	.02360	.01830	-.00810	.00000	55.00000	-.11640	.01150	-.00470	.01150
1.199	8.196	.02040	.01570	-.01060	.00000	55.00000	-.11640	.01150	-.00980	.01150
1.196	10.285	.01820	.01320	-.01320	.00000	55.00000	-.10960	.01150	-.01490	.01150
1.197	12.278	.01670	.01320	-.01320	.00000	55.00000	-.10290	.01150	-.01490	.01150
1.189	15.289	.01890	.01320	-.01320	.01940	55.00000	-.10290	.01150	-.01490	.01150
	GRADIENT	.00272	-.00063	-.00063	.00290	.00000	.00200	-.00129	.00000	.00126

RUN NO. 533/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
1.300	-5.130	-.03590	.01080	-.00070	.00000	55.00000	-.11640	.01150	.01020	.01150
1.300	-.032	-.00110	.00830	-.00320	.00000	55.00000	-.10960	.01150	.00510	.01150
1.297	2.460	.00680	.00830	-.00320	.00000	55.00000	-.10290	.01150	.00510	.01150
1.294	5.112	.03020	.00830	-.00320	-.01000	55.00000	-.09620	.01150	.00510	.01150
1.295	7.148	.02260	.00830	-.00320	-.01000	55.00000	-.08270	.01150	.00510	.01150
1.295	8.187	.01880	.00830	-.00320	-.01000	55.00000	-.06920	.01150	.00510	.01150
1.293	10.274	.01650	.00580	-.00580	-.01000	55.00000	-.05570	.01150	.00000	.01150
1.293	12.266	.01300	.00580	-.00580	-.02000	55.00000	-.11640	.01150	.00000	.01150
1.293	15.273	.00850	.00830	-.00320	-.02000	55.00000	-.10290	.01150	.00510	.01150
	GRADIENT	.00397	.00000	.00000	.00000	.00000	.00269	-.00000	-.00000	.00000

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA
AMES 118-1-11 OAI45A 01

PAGE 1137
(C2F098) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

BETA =
AILRON =
SPDBRK =
RN/L =

ELEVON = .000
BOFLAP = .000
RUDDER = .000

RUN NO. 514/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-08	AIL-08	AIL-08
1.400	-5.109	-0.3470	.02050	-.00090	.04850	55.00000	-.13210	.01580	.00540	-.00730
1.410	-5.042	-.00170	.01330	-.00820	.02910	55.00000	-.14110	.01150	-.00480	-.01150
1.406	2.430	.00090	.01040	-.00530	.01940	55.00000	-.13210	.00580	-.00480	-.00580
1.402	5.011	.02480	.01330	-.00820	.01940	55.00000	-.14110	.01150	-.00480	-.01150
1.401	7.037	.01890	.01040	-.00530	.03880	55.00000	-.13210	.00580	-.00480	-.00580
1.401	8.168	.01480	.00790	-.00280	.03880	55.00000	-.14110	.01150	-.00480	-.01150
1.399	10.214	.01360	.01330	-.00820	.03880	55.00000	-.13210	.00990	-.00990	-.01150
1.399	12.223	.01020	.01070	-.01070	.03880	55.00000	-.13210	.01150	-.00990	-.01150
1.396	15.289	.01190	.01070	-.01070	.03880	55.00000	-.13210	.01150	-.00990	-.01150
	GRADIENT	.00105	-.00117	.00117	-.00392	.00000	.00364	-.00231	.00000	.00231

AMES 118-1-11 OAI45A 01

(C2F099) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

BETA =
AILRON =
SPDBRK =
RN/L =

ELEVON = 2.000
BOFLAP = .000
RUDDER = 55.000

RUN NO. 872/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-08	AIL-08	AIL-08
.597	-5.234	1.93480	.02550	-.00090	.00970	55.00000	-.10290	.01580	.00550	-.00730
.599	-2.258	2.01560	.02550	-.00090	.00970	55.00000	-.10290	.01380	.00550	-.00730
.598	2.258	2.02040	.02550	-.00090	.00970	55.00000	-.10290	.01580	.00550	-.00730
.597	4.946	2.04580	.02300	.00160	.00970	55.00000	-.10290	.01580	.01050	-.00730
.597	7.993	1.99360	.02050	-.00090	.00970	55.00000	-.10290	.01580	.00540	-.00730
.597	10.079	2.07240	.01760	-.00190	.00970	55.00000	-.10290	.01000	.00540	-.00150
.597	12.070	2.01280	.02300	.00160	.00970	55.00000	-.10290	.01580	.01050	-.00730
.596	15.068	2.00600	.02050	-.00090	.00970	55.00000	-.10290	.01580	.00540	-.00300
.597	17.057	2.00990	.02260	.00120	.00970	55.00000	-.10290	.02000	.00540	-.00300
.597	19.010	2.01760	.02050	-.00090	.00970	55.00000	-.10290	.01580	.00540	-.00730
	GRADIENT	.00585	-.00049	.00049	.00000	-.00000	-.00000	.00000	.00097	.00000

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OAI45 TABULATED FORCE DATA
AMES 118-1-11 OAI45A 01

PAGE 1138
(C2F099) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BOFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 5.000

RUN NO. 871/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.797	-5.254	1.95810	.02010	-.00050	.00970	55.00000	-.10960	.01000	.00040	-.00150
.801	-.257	2.02990	.02010	-.00050	.00970	55.00000	-.10290	.01000	.00040	-.00150
.798	2.268	2.02920	.02010	-.00050	.00970	55.00000	-.10290	.01000	.00040	-.00150
.798	4.921	2.07060	.02010	-.00050	.00970	55.00000	-.09620	.01000	.00040	-.00150
.799	8.071	2.04360	.02010	-.00050	.00970	55.00000	-.09620	.01000	.00040	-.00150
.799	10.083	2.03870	.02010	-.00050	.00970	55.00000	-.09620	.01000	.00040	-.00150
.798	12.073	2.04540	.02010	-.00050	.00970	55.00000	-.08940	.01000	.00040	-.00150
.798	15.140	2.02910	.02290	-.00340	.01940	55.00000	-.08270	.02000	.00040	-.00300
.799	17.091	2.03960	.02510	-.00130	.01940	55.00000	-.10960	.02000	.00040	-.00300
.800	19.027	2.06320	.02510	-.00130	.01940	55.00000	-.00130	.02000	.00000	.00000
	GRADIENT	.00793	.00000	-.00000	.00000	.00000	.00130	.00000	.00000	.00000

RUN NO. 870/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.899	-5.282	1.96260	.02010	-.00050	.01940	55.00000	-.10960	.01000	.00040	-.00150
.900	-.263	2.03710	.02010	-.00050	.00970	55.00000	-.10290	.01000	.00040	-.00150
.899	2.287	2.04370	.02260	.00200	.01940	55.00000	-.10290	.01000	.00550	-.00150
.899	4.940	2.08490	.02010	-.00050	.00970	55.00000	-.10290	.01000	.00040	-.00150
.899	8.074	2.04040	.02010	-.00050	.00970	55.00000	-.10290	.01000	.00040	-.00150
.899	10.126	2.03570	.02010	-.00050	.01940	55.00000	-.09620	.01000	.00040	-.00150
.900	12.120	2.04260	.02010	-.00050	.01940	55.00000	-.10290	.01000	.00040	-.00150
.899	15.143	2.03910	.02220	.00160	.01940	55.00000	-.10960	.01430	.00040	-.00270
.899	17.109	2.04540	.02220	.00160	.01940	55.00000	-.11640	.01430	.00040	-.00270
.899	19.064	2.06650	.02510	-.00130	.01940	55.00000	-.10960	.02000	.00040	-.00300
	GRADIENT	.00923	-.00001	-.00001	-.00002	.00000	.00000	-.00000	-.00001	.00000

RUN NO. 869/ 0 RN/L = 5.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.951	-5.286	1.96180	.02720	.00170	.01940	55.00000	-.09620	.01430	.00050	-.00270
.951	-.247	2.03220	.02250	-.00300	.01940	55.00000	-.10290	.01000	.00450	-.00150
.950	2.285	2.02970	.02010	-.00050	.01940	55.00000	-.09620	.01000	.00040	-.00150
.951	4.918	2.09350	.02470	-.00090	.01940	55.00000	-.08940	.01430	-.00450	-.00270
.950	8.108	2.05220	.02470	-.00090	.01940	55.00000	-.10290	.01430	-.00450	-.00270
.950	10.129	2.04730	.02470	-.00090	.01940	55.00000	-.10290	.01430	-.00450	-.00270
.951	12.126	2.01730	.02430	.00370	.01940	55.00000	-.10960	.01850	.00040	-.00700
.951	15.148	2.04160	.02470	.00410	.01940	55.00000	-.10960	.01430	.00550	-.00270
.949	17.126	2.05270	.02470	.00410	.01940	55.00000	-.10960	.01430	.00550	-.00270
.950	19.082	2.07060	.02220	.00160	.01940	55.00000	-.10290	.01430	.00040	-.00270
	GRADIENT	.01195	.00043	.00040	.00000	-.00000	.00261	.00084	-.00001	.00082

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(C2F089) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 55.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 868/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-08	AIL-08	ELV-1B	AIL-1B	AIL-08
1.197	-5.270	1.98010	.02510	-.00050	.00970	55.00000	-.11640	.01000	-.00150	.04020	.00060	-.00150
1.202	-.237	2.02870	.02720	.00170	.00970	55.00000	-.11640	.01430	.00270	.04020	.00060	.00270
1.201	2.298	2.02860	.02470	-.00090	.00970	55.00000	-.11640	.01430	.00270	.03510	-.00450	.00270
1.199	4.915	2.07950	.02720	.00170	.00970	55.00000	-.11640	.01430	.00270	.04020	.00060	.00270
1.198	8.078	2.09120	.02720	.00170	.00970	55.00000	-.11640	.01430	.00270	.04020	.00060	.00270
1.200	10.119	2.02230	.02720	.00170	.00970	55.00000	-.10960	.01430	.00270	.04020	.00060	.00270
1.200	12.122	2.03050	.02720	.00170	.00970	55.00000	-.11640	.01430	.00270	.04020	.00060	.00270
1.199	15.136	2.05180	.02470	-.00090	.01940	55.00000	-.11640	.01430	.00270	.03510	-.00450	.00270
1.200	17.129	2.07550	.02250	-.00300	.01940	55.00000	-.11640	.01000	.00270	.03510	-.00450	.00270
1.198	19.063	2.10360	.02250	-.00300	.01940	55.00000	-.10960	.01000	.00270	.03510	-.00450	.00270
	GRADIENT	.00991	.00001	.00001	-.00000	-.00000	.00000	.00000	.00001	.00000	.00000	.00000

RUN NO. 867/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-08	AIL-08	ELV-1B	AIL-1B	AIL-08
1.295	-5.259	1.97180	.01950	-.00600	.01940	55.00000	-.11640	.01430	-.01470	.02490	-.01470	.00270
1.300	-.251	2.03640	.01750	-.00810	.01940	55.00000	-.11640	.01000	-.01470	.02490	-.01470	.00150
1.297	2.278	2.07810	.01960	-.00600	.01940	55.00000	-.11640	.01430	-.01470	.02490	-.01470	.00270
1.297	4.931	2.10020	.01960	-.00600	.01940	55.00000	-.11640	.01430	-.01470	.02490	-.01470	.00270
1.295	8.092	2.09650	.01960	-.00600	.01940	55.00000	-.11640	.01430	-.01470	.02490	-.01470	.00270
1.295	10.108	2.03120	.01490	-.01070	.01940	55.00000	-.11640	.01000	-.01980	.01980	-.01980	.00150
1.294	12.148	2.03610	.01950	-.00600	.01940	55.00000	-.11640	.01430	-.01470	.02490	-.01470	.00270
1.294	15.151	2.04980	.01960	-.00600	.00970	55.00000	-.11640	.01430	-.01470	.02490	-.01470	.00270
1.293	17.114	2.07350	.01960	-.00600	.01940	55.00000	-.10960	.01430	-.01470	.02490	-.01470	.00270
1.291	19.048	2.09630	.02250	-.00300	.01940	55.00000	-.10290	.01000	-.00450	.03510	-.00450	.00150
	GRADIENT	.01228	.00040	.00040	-.00000	-.00000	.00000	.00082	.00000	.00000	.00000	.00080

RUN NO. 866/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-08	AIL-08	ELV-1B	AIL-1B	AIL-08
1.402	-5.275	2.09560	.02170	-.00390	.01940	55.00000	-.12310	.01850	-.01470	.02490	-.01470	.00700
1.407	-.240	2.14720	.01700	-.00850	.01940	55.00000	-.11640	.01430	-.01980	.01980	-.01980	.00270
1.404	2.257	2.20390	.01700	-.00850	.01940	55.00000	-.11640	.01430	-.01980	.01980	-.01980	.00270
1.402	4.877	2.25830	.01700	-.00850	.01940	55.00000	-.12310	.01430	-.01980	.01980	-.01980	.00270
1.401	8.079	2.12950	.01700	-.00850	.01940	55.00000	-.11640	.01430	-.01980	.01980	-.01980	.00270
1.402	10.059	2.12390	.01950	-.01100	.01940	55.00000	-.11640	.01430	-.02480	.02480	-.02480	.00270
1.403	12.109	2.13950	.01960	-.00600	.01940	55.00000	-.11640	.01430	-.01470	.02490	-.01470	.00270
1.401	15.094	2.15700	.01420	-.00570	.01940	55.00000	-.11640	.00850	-.01960	.01960	-.01960	.00850
1.397	17.103	2.18450	.01960	-.00600	.01940	55.00000	-.11640	.01430	-.01470	.02490	-.01470	.00270
1.392	19.032	2.20580	.01710	-.00350	.01940	55.00000	-.11640	.01430	-.00960	.02000	-.00960	.00270
	GRADIENT	.02170	-.00000	.00000	-.00000	.00000	-.00132	-.00000	.00000	.00000	.00000	.00000

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

(C2F0A0) (08 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPOBRK = 55.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 590/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-1B	AIL-1B	ELV-0B	AIL-0B
.598	-6.073	.09480	.02240	-.01310	.00000	55.00000	-.03550	.03480	-.02460	.01000	-.00150
.598	-1.986	.05470	.01950	-.01020	.00970	55.00000	-.25770	.03480	-.02460	.00430	-.00430
.598	-.941	.05380	.02240	-.01310	.00000	55.00000	-.28460	.03480	-.02460	.01000	-.00150
.597	.105	.05030	.02240	-.01310	.00000	55.00000	-.30250	.03480	-.02460	.01000	-.00150
.598	.614	.06560	.01950	-.01020	.00000	55.00000	-.30250	.03480	-.02460	.00430	-.00430
.598	1.132	.09230	.02240	-.01310	.00000	55.00000	-.31150	.03480	-.02460	.01000	-.00150
.598	2.170	.08880	.02240	-.01310	.00000	55.00000	-.05890	.03480	-.02460	.01000	-.00150
.597	3.195	.09860	.02490	-.01550	.00000	55.00000	-.27560	.03980	-.02960	.01000	-.00150
.597	4.225	.10600	.02490	-.01550	.00000	55.00000	-.30250	.03980	-.02960	.01000	-.00150
.597	6.258	.12840	.02490	-.01550	.00000	55.00000	-.04900	.03980	-.02960	.01000	-.00150
.597	8.260	.13360	.02490	-.01550	.00000	55.00000	-.04220	.03980	-.02960	.01000	-.00150
.597	GRADIENT	.00983	.00077	-.00076	-.00098	.00000	.00939	.00088	-.00088	.00066	-.00067

RUN NO. 575/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-1B	AIL-1B	ELV-0B	AIL-0B
.798	-6.247	.06800	.01530	-.01020	.00970	55.00000	-.12310	.02490	-.01470	.00580	-.00580
.798	-2.133	-.08110	.01530	-.01020	.00970	55.00000	-.22180	.02490	-.01470	.00580	-.00580
.798	-1.080	.09260	.01530	-.01020	.00970	55.00000	-.23970	.02490	-.01470	.00580	-.00580
.799	.001	-.11530	.01530	-.01020	.00970	55.00000	-.08940	.02490	-.01470	.00580	-.00580
.799	.521	-.11290	.01530	-.01020	.00970	55.00000	-.07590	.02490	-.01470	.00580	-.00580
.799	1.046	-.09400	.01530	-.01020	.00970	55.00000	-.06920	.02490	-.01470	.00580	-.00580
.799	2.109	-.08400	.01530	-.01020	.00970	55.00000	-.06920	.02000	-.00980	.00580	-.00580
.799	3.155	-.07850	.01290	-.00780	.00970	55.00000	-.13210	.02490	-.01470	.00580	-.00580
.798	4.199	-.07350	.01530	-.01020	.00970	55.00000	-.08270	.02490	-.01470	.00580	-.00580
.797	6.268	-.06410	.01530	-.01020	.00970	55.00000	-.02200	.02490	-.01470	.00580	-.00580
.796	8.330	-.06090	.01530	-.01020	.00970	55.00000	-.01818	.02490	-.00034	.00000	-.00000
.796	GRADIENT	.00310	-.00017	.00017	.00000	.00000	.01818	-.00034	.00034	.00000	-.00000

REFERENCE DATA

SREF = 2690.000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

MACH = 1076.6800 IN. XO
 .0000 IN. YO
 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = .000
 AILRON = .000
 SPOBRK = 55.000
 RN/L = 5.000
 ELEVON = .000
 BDFLAP = .000
 RUDDER = .000

RUN NO. 572/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-1B	AIL-1B	ELV-0B	AIL-0B
.899	-6.253	.06480	.01920	-.00140	.00970	55.00000	-.08940	.02000	-.00980	.01850	.00700
.901	-2.129	-.08050	.01920	-.00140	.01940	55.00000	-.23970	.02000	-.00980	.01850	.00700
.900	-1.070	-.11610	.01920	-.00140	.00970	55.00000	-.27560	.02000	-.00980	.01850	.00700
.899	.015	-.13600	.01920	-.00140	.00970	55.00000	-.30250	.02000	-.00980	.01850	.00700
.900	.537	-.14310	.01920	-.00140	.00970	55.00000	-.08270	.02000	-.00980	.01850	.00700
.899	1.064	-.12670	.01920	-.00140	.00970	55.00000	-.09620	.02000	-.00980	.01850	.00700
.898	2.132	-.12210	.01920	-.00140	.00970	55.00000	-.12310	.02000	-.00980	.01850	.00700
.900	3.184	-.11590	.01920	-.00140	.01940	55.00000	-.15000	.02000	-.00980	.01850	.00700
.898	4.228	-.11910	.01920	-.00140	.01940	55.00000	-.21280	.02000	-.00980	.01850	.00700
.896	6.307	-.11840	.01920	-.00140	.01940	55.00000	-.28460	.02000	-.00980	.01850	.00700
.896	8.372	-.12620	.01500	-.00560	.00970	55.00000	-.12310	.02000	-.00980	.01000	-.00150
	GRADIENT	-.00303	.00000	-.00000	.00070	.00000	.01543	.00000	-.00000	.00000	.00000

RUN NO. 553/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-1B	AIL-1B	ELV-0B	AIL-0B
.951	-6.277	.10360	.01420	-.00060	.03880	55.00000	-.08270	.02000	-.00980	.00850	.00850
.952	-2.137	-.01830	.01710	-.00350	.01940	55.00000	-.10960	.02000	-.00980	.01430	.00270
.950	-1.078	-.04690	.01710	-.00350	.01940	55.00000	-.12310	.02000	-.00980	.01430	.00270
.949	.005	-.06800	.01710	-.00350	.01940	55.00000	-.12310	.02000	-.00980	.00850	.00850
.951	.531	-.07970	.01420	-.00060	.01940	55.00000	-.12310	.02000	-.00980	.01430	.00270
.950	1.053	-.06520	.01710	-.00350	.01940	55.00000	-.12310	.02000	-.00980	.01430	.00270
.948	2.125	-.06630	.01710	-.00350	.01940	55.00000	-.10960	.02000	-.00980	.01000	-.00150
.948	3.176	-.06720	.01500	-.00560	.01940	55.00000	-.12310	.02000	-.00980	.00580	-.00580
.947	4.223	-.07240	.01290	-.00780	.01940	55.00000	-.12310	.02000	-.00980	.01850	.00700
.946	6.307	-.07950	.01920	-.00140	.00970	55.00000	-.12310	.02490	-.01470	.01850	.00700
.945	8.372	-.09420	.02170	-.00390	.00970	55.00000	-.12310	.00000	-.00000	-.00108	-.00124
	GRADIENT	-.00642	-.00053	-.00062	.00000	-.00000	.00028	.00000	-.00000	-.00108	-.00124

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OAI45 TABULATED FORCE DATA

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(C2F0A0) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = .000
AILRON = .000
SPOBRK = 55.000
RUDDER = 5.000
ELEVON = .000
BDFLAP = .000

RUN NO. 542/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.201	-6.263	.19520	.01960	-.00600	.02910	55.00000	-.12310	.02490	.01430	-.01470	.00270
1.203	-2.120	-.05090	.01960	-.00600	.01940	55.00000	-.11640	.02490	.01430	-.01470	.00270
1.202	-1.069	-.11980	.01960	-.00600	.01940	55.00000	-.10960	.02490	.01430	-.01470	.00270
1.202	.012	-.13980	.01920	-.00640	.01940	55.00000	-.10960	.01980	.01850	-.01980	.00700
1.201	.533	-.14590	.02380	-.00170	.01940	55.00000	-.10960	.02490	.02280	-.01470	.01120
1.202	1.055	-.13270	.02600	.00040	.02910	55.00000	-.10960	.02490	.02700	-.01470	.01550
1.201	2.123	-.12630	.01530	-.01020	.02910	55.00000	-.10960	.02490	.00580	-.01470	.00580
1.202	3.171	-.12210	.01280	-.01280	.03880	55.00000	-.10960	.01980	.00580	-.01980	.00580
1.199	4.217	-.12370	.01280	-.01280	.02910	55.00000	-.10960	.01980	.01000	-.01980	.00150
1.198	6.304	-.12330	.01490	-.01070	.01940	55.00000	-.10960	.01980	.02700	-.01980	.01550
1.198	8.377	-.12480	.02340	-.00220	.00970	55.00000	-.06920	.01980	.02700	-.01980	.01550
	GRADIENT	-.00661	-.00136	-.00135	.00270	.00000	.00067	-.00072	-.00199	-.00072	-.00199

AMES 118-1-11 OAI45A 01

(C2F0A1) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = .000
AILRON = .000
SPOBRK = 55.000
RUDDER = 5.000
ELEVON = .000
BDFLAP = .000

RUN NO. 589/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.598	-6.032	5.13170	.01460	-.00520	.00000	55.00000	-.10960	.02490	.00430	-.01470	.00430
.598	-1.942	5.10640	.01460	-.00520	.00970	55.00000	-.24870	.02490	.00430	-.01470	.00430
.598	-.902	5.07350	.01750	-.00810	.00000	55.00000	-.28460	.02490	.01000	-.01470	.00150
.598	.025	4.93180	.01460	-.00520	.00000	55.00000	-.28460	.02490	.00430	-.01470	.00430
.598	.512	5.15810	.01460	-.00520	.00000	55.00000	-.10960	.02490	.00430	-.01470	.00430
.598	1.026	5.19360	.01750	-.00810	.00000	55.00000	-.07590	.02490	.01000	-.01470	.00150
.598	2.093	5.19660	.01750	-.00810	.00000	55.00000	-.10290	.02490	.01000	-.01470	.00150
.598	3.136	5.18000	.01750	-.00810	.00000	55.00000	-.12310	.02490	.01000	-.01470	.00150
.597	4.168	5.17810	.01750	-.00810	.00000	55.00000	-.15900	.02490	.01000	-.01470	.00150
.597	5.16550	5.1710	.01710	-.00770	.00000	55.00000	-.17690	.02990	.00430	-.01970	.00430
.597	6.224	.02157	.00044	-.00044	-.00098	.00000	.02540	.00000	.00087	-.00000	-.00088

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(C2F0A1) (08 JUL 77)

REFERENCE DATA

SREF = 2690.000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AIRLON = .000 BDFLAP = .000
 SPDBRK = 55.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 582/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AIRLON	BDFLAP	SPDBRK	RUDDER	ELV-08	AIL-08
.800	-6.051	5.09980	.01500	-.00560	.00970	55.00000	-.13310	.01000	-.00980
.799	-1.945	5.06850	.01500	-.00560	.00970	55.00000	-.13210	.01000	-.00980
.798	-.910	5.04500	.01500	-.00560	.00970	55.00000	-.21280	.01000	-.00980
.798	.036	4.97530	.01500	-.00560	.00970	55.00000	-.11640	.01000	-.00980
.800	.494	5.17890	.01500	-.00560	.00970	55.00000	-.11640	.01000	-.00980
.800	1.018	5.16590	.01500	-.00560	.00970	55.00000	-.11640	.01000	-.00980
.799	2.084	5.15930	.01500	-.00560	.00970	55.00000	-.23970	.01000	-.00980
.800	3.124	5.14480	.01500	-.00560	.00970	55.00000	-.14110	.01000	-.00980
.798	4.160	5.14130	.01500	-.00560	.00970	55.00000	-.23970	.01000	-.00980
.797	6.239	5.13650	.01500	-.00560	.00970	55.00000	-.00559	.01000	-.00980
	GRADIENT	.01951	.00000	-.00000	-.00000	.00000	-.00559	.00000	-.00000

RUN NO. 567/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AIRLON	BDFLAP	SPDBRK	RUDDER	ELV-08	AIL-08
.902	-6.116	4.90780	.01500	-.00560	.01940	55.00000	-.13210	.01000	-.00980
.900	-1.968	4.89870	.01500	-.00560	.01940	55.00000	-.10960	.01000	-.00980
.900	-.920	4.88910	.01710	-.00350	.01940	55.00000	-.11640	.01430	-.00980
.899	.140	4.92450	.01710	-.00350	.01940	55.00000	-.12310	.01430	-.00980
.899	.628	4.91480	.01710	-.00350	.01940	55.00000	-.12310	.01430	-.00980
.900	1.152	4.89610	.01710	-.00350	.01940	55.00000	-.12310	.01430	-.00980
.899	2.206	4.87560	.01710	-.00350	.01940	55.00000	-.12310	.01430	-.00980
.899	3.257	4.85740	.01710	-.00350	.01940	55.00000	-.12310	.01430	-.00980
.899	4.297	4.84310	.01710	-.00350	.02910	55.00000	-.15000	.01430	-.00980
.895	6.368	4.80780	.01500	-.00560	.01940	55.00000	-.11640	.01000	-.00980
	GRADIENT	-.00994	.00021	.00021	.00101	.00000	-.00491	.00043	-.00042

RUN NO. 556/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AIRLON	BDFLAP	SPDBRK	RUDDER	ELV-08	AIL-08
.950	-6.140	4.97190	.02210	-.00430	.00970	55.00000	-.07590	.02430	-.00980
.950	-1.978	4.96650	.02140	.00070	.00970	55.00000	-.13210	.02280	-.00980
.950	-.928	4.95840	.02140	.00070	.00970	55.00000	-.09620	.02280	-.00980
.950	.136	4.99360	.02140	.00070	.00970	55.00000	-.10290	.02280	-.00980
.949	.624	4.99620	.02140	.00070	.00970	55.00000	-.10290	.02280	-.00980
.950	1.143	4.96320	.02140	.00070	.00970	55.00000	-.10960	.02280	-.00980
.948	2.200	4.93800	.02140	.00070	.00970	55.00000	-.11640	.02280	-.00980
.948	3.248	4.91080	.01500	-.00560	.00970	55.00000	-.12310	.01000	-.00980
.948	4.289	4.89390	.01500	-.00560	.00970	55.00000	-.12310	.01000	-.00980
.946	6.363	4.85670	.02030	-.01100	.00970	55.00000	-.08940	.01580	-.01470
	GRADIENT	-.01325	-.00111	-.00110	.00000	.00000	-.00083	-.00223	-.00221

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0A145 TABULATED FORCE DATA

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(C2F0A1) (08 JUL 77)

REFERENCE DATA

SREF = 2690 0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474 8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPOBRK = 55.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 552/ 0 RN/L = 4.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
1.101	-6.116	5.14390	.02210	-.00430	.00970	55.00000	-.10960	.02000	.02430	-.00980	.00120
1.099	-1.968	5.11660	.01920	-.00140	.00970	55.00000	-.12310	.02000	.01850	-.00980	.00700
1.100	-.927	5.09870	.01920	-.00140	.00970	55.00000	-.12310	.02000	.01850	-.00980	.00700
1.100	.129	5.06790	.01920	-.00140	.00970	55.00000	-.10960	.02000	.01850	-.00980	.00700
1.099	.641	5.08550	.01920	-.00140	.00970	55.00000	-.10960	.02000	.01850	-.00980	.00700
1.100	1.146	5.10780	.01920	-.00140	.00970	55.00000	-.10960	.02000	.01850	-.00980	.00700
1.098	2.189	5.09500	.02140	.00070	.00970	55.00000	-.10960	.02000	.02280	-.00980	.01120
1.098	3.230	5.08230	.02140	.00070	.00970	55.00000	-.11640	.02000	.02280	-.00980	.00700
1.098	4.266	5.07240	.01920	-.00140	.00970	55.00000	-.12310	.02000	.01850	-.00980	.00700
1.098	6.339	5.04060	.01920	-.00140	.00970	55.00000	-.12310	.02000	.01850	-.00980	.00700
1.098	GRADIENT	-.00465	.00023	.00022	-.00171	.00000	.00036	.00000	.00046	-.00000	.00045

RUN NO. 538/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
1.201	-6.123	5.22020	.01280	-.01280	.00000	55.00000	-.08270	.01980	.00580	-.01980	-.00580
1.201	-1.957	5.18730	.01200	-.00780	.01940	55.00000	-.10960	.01980	.00430	-.01980	.00430
1.199	-.921	5.17650	.01200	-.00780	.01940	55.00000	-.10960	.01980	.00430	-.01980	.00430
1.200	.030	5.15900	.01670	-.00310	.01940	55.00000	-.10960	.02490	.00000	-.01470	.00000
1.200	.691	5.22490	.01250	-.00740	.01940	55.00000	-.10960	.02490	.00580	-.01470	-.00580
1.201	1.158	5.18380	.01530	-.01020	.01940	55.00000	-.11640	.02490	.01000	-.01470	-.00580
1.201	2.191	5.15740	.01750	-.00810	.01940	55.00000	-.11640	.01980	.00430	-.01980	.00430
1.200	3.239	5.17240	.01200	-.00780	.01940	55.00000	-.11640	.01980	.01850	-.01980	.00700
1.201	4.275	5.16620	.01920	-.00640	.01940	55.00000	-.11640	.01980	.01430	-.01980	.00270
1.201	6.353	5.15040	.01700	-.00850	.01940	55.00000	-.11640	.01980	.01430	-.01980	.00270
1.197	GRADIENT	-.00313	.00079	-.00004	.00000	-.00000	-.00143	-.00005	.00160	-.00005	-.00004

RUN NO. 530/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
1.297	-6.081	5.09960	.00830	-.00320	.00000	55.00000	-.12310	.00510	.01150	.00510	-.01150
1.301	-1.964	5.07600	.00830	-.00320	.00000	55.00000	-.12310	.00510	.01150	.00510	-.01150
1.299	-.920	5.06040	.00830	-.00320	.00000	55.00000	-.12310	.00510	.01150	.00510	-.01150
1.298	.151	5.09940	.00830	-.00320	.00000	55.00000	-.12310	.00510	.01150	.00510	-.01150
1.298	.627	5.07260	.00830	-.00320	.00000	55.00000	-.12310	.00510	.01150	.00510	-.01150
1.298	1.154	5.06760	.00830	-.00320	.00000	55.00000	-.12310	.00510	.01150	.00510	-.01150
1.299	2.207	5.04590	.00830	-.00320	.00000	55.00000	-.12310	.00510	.01150	.00510	-.01150
1.299	3.261	5.03100	.01040	-.00110	.00000	55.00000	-.12310	.00510	.01580	.00510	-.00730
1.296	4.303	5.02460	.01040	-.00110	.00000	55.00000	-.12310	.00510	.01580	.00510	-.00730
1.296	6.377	4.99990	.00830	-.00320	.00000	55.00000	-.12310	.00510	.01150	.00510	-.01150
1.294	GRADIENT	-.00925	.00037	-.00037	.00000	-.00000	-.00000	.00000	.00075	.00000	.00073

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(C2F0A1) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA
 ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPOBRK = 55.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 518/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-1B	AIL-1B	ELV-0B	AIL-0B
1.403	-6.119	5.07350	.02570	.00920	.00970	55.00000	-.12310	.01000	.00010	.04130	.01820
1.408	-1.976	5.04910	.02570	.00920	.00000	55.00000	-.14110	.01000	.00010	.04130	.01820
1.406	-.924	5.03870	.02570	.00920	.00000	55.00000	-.14110	.01000	.00010	.04130	.01820
1.406	.150	5.07640	.02310	.00660	.00000	55.00000	-.14110	.00500	-.00500	.04130	.01820
1.404	.629	5.06710	.02310	.00660	.00000	55.00000	-.15000	.00500	-.00500	.04130	.01820
1.403	1.153	5.05200	.02310	.00660	.00000	55.00000	-.15000	.00500	-.00500	.04130	.01820
1.404	2.214	5.03070	.02310	.00660	.00000	55.00000	-.14110	.00500	-.00500	.04130	.01820
1.402	3.267	5.01530	.02310	.00660	.00000	55.00000	-.15000	.00500	-.00500	.04130	.01820
1.402	4.313	5.00310	.02310	.00660	.00000	55.00000	-.14110	.00500	-.00500	.04130	.01820
1.400	6.402	4.97780	.02310	.00660	.00000	55.00000	-.15000	.00500	-.00500	.04130	.01820
	GRADIENT	-.00823	-.00043	-.00043	.00000	.00000	-.00050	-.00083	-.00084	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA
 ALPHA = 10.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPOBRK = 55.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 591/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-1B	AIL-1B	ELV-0B	AIL-0B
.598	-6.045	10.11500	.03370	-.01160	.00970	55.00000	.05890	.04470	-.03450	.02280	.01120
.597	-1.990	10.13400	.03090	-.00880	.00000	55.00000	-.06240	.04470	-.03450	.01700	.01700
.597	-.972	10.13400	.03620	-.01410	.00000	55.00000	-.12310	.04970	-.03950	.02280	.01120
.597	.059	10.14100	.03620	-.01410	.00000	55.00000	-.12310	.04970	-.03950	.02280	.01120
.597	.557	10.14100	.03620	-.01410	.00000	55.00000	-.13210	.04970	-.03950	.02280	.01120
.597	1.059	10.12700	.03870	-.01660	.00000	55.00000	-.14110	.05460	-.04440	.02280	.01120
.598	2.094	10.13900	.03870	-.01660	.00000	55.00000	-.16800	.05460	-.04440	.02280	.01120
.597	3.122	10.14600	.03870	-.01660	.00000	55.00000	-.18590	.05460	-.04440	.02280	.01120
.596	4.163	10.15800	.04120	-.01910	.00000	55.00000	-.24870	.05960	-.04940	.02280	.01120
.598	6.231	10.16200	.04120	-.01910	.00000	55.00000	-.25770	.05960	-.04940	.02280	.01120
.598	8.292	10.15000	.04120	-.01910	.00000	55.00000	-.14310	.05960	-.04940	.02280	.01120
	GRADIENT	.00325	.00134	-.00134	.00000	.00000	-.02552	.00210	-.00210	.00059	-.00059

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(C2F0A2) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA =
AILRON =
SPOBRK =
RN/L =
ELEVON = .000
BDFLAP = .000
RUDDER = .000

RUN NO. 576/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.799	-6.138	10.24100	.01500	-.00560	.00970	55.00000	-.12310	.02000	.01000	-.00980	-.00150
.798	-1.992	10.24300	.01290	-.00780	.00970	55.00000	-.08940	.02000	.00580	-.00980	-.00580
.797	-.938	10.24500	.01290	-.00780	.00970	55.00000	-.09620	.02000	.00580	-.00980	-.00580
.797	.130	10.24000	.01500	-.00560	.00970	55.00000	-.10290	.02000	.01000	-.00980	-.00150
.799	.650	10.22900	.01290	-.00780	.00970	55.00000	-.11640	.02000	.00580	-.00980	-.00580
.798	1.186	10.19500	.01750	-.00810	.00970	55.00000	-.12310	.02490	.01000	-.01470	-.00150
.799	2.240	10.17600	.01500	-.00560	.00970	55.00000	-.13210	.02000	.01000	-.00980	-.00150
.799	3.295	10.15700	.01500	-.00560	.00970	55.00000	-.18590	.02000	.01000	-.00980	-.00150
.797	4.336	10.12600	.01500	-.00560	.00970	55.00000	-.19490	.02000	.01000	-.00980	-.00150
.797	6.396	10.07500	.01500	-.00560	.00970	55.00000	-.25770	.02000	.01430	-.00980	-.00270
.799	8.425	10.03900	.01710	-.00350	.00970	55.00000	-.01286	.02000	.00075	-.00001	.00077
	GRADIENT	-.02030	.00038	.00039	-.00067	.00000					

RUN NO. 573/ 0 RN/L = 4.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.900	-6.119	10.07700	.01710	-.00350	.00970	55.00000	-.10290	.02000	.01430	-.00980	-.00270
.900	-2.024	10.10300	.01710	-.00350	.00970	55.00000	-.07590	.02000	.01430	-.00980	-.00270
.900	-.991	10.10700	.01710	-.00350	.01940	55.00000	-.15900	.02000	.01000	-.00980	-.00150
.900	.053	10.11600	.01500	-.00560	.00970	55.00000	-.06920	.02000	.01000	-.00980	-.00150
.899	.557	10.11100	.01500	-.00560	.00970	55.00000	-.12310	.02000	.01000	-.00980	-.00150
.900	1.065	10.09700	.01500	-.00560	.00970	55.00000	-.13210	.02000	.01000	-.00980	-.00150
.899	2.117	10.11800	.01500	-.00560	.00970	55.00000	-.06920	.02000	.01000	-.00980	-.00150
.899	3.159	10.12700	.01500	-.00560	.00970	55.00000	-.12310	.02000	.01430	-.00980	-.00270
.898	4.216	10.15300	.01710	-.00350	.00970	55.00000	-.14110	.02000	.01850	-.00980	-.00700
.899	6.301	10.14600	.01920	-.00140	.01940	55.00000	-.15900	.02490	.01000	-.01470	-.00150
.899	8.380	10.13800	.01750	-.00810	.01940	55.00000	-.00100	.00000	-.00026	-.00000	-.00026
	GRADIENT	.00667	-.00013	-.00013	-.00064	.00000					

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(C2F0A2) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA =
 AILRON =
 SPDBRK =
 RN/L =
 ELEVON = 10.000
 BOFLAP = .000
 RUDDER = 55.000
 RUDDER = 5.000

RUN NO. 554/ 0		RN/L = 4.98		GRADIENT INTERVAL = -5.00/ 5.00							
MACH	BETA	ALPHA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.950	-6.149	10.11300	.01920	-.00140	.01940	55.00000	.00500	.02000	.01850	-.00980	.00700
.950	-2.044	10.16800	.02210	-.00430	.00970	55.00000	-.08940	.02000	.02430	-.00980	.00120
.950	-1.007	10.17000	.02210	-.00430	.00970	55.00000	-.10290	.02000	.02430	-.00980	.00120
.949	.040	10.17700	.01920	-.00140	.01940	55.00000	-.08940	.02000	.01850	-.00980	.00700
.948	.547	10.19600	.01920	-.00140	.00970	55.00000	-.08270	.02000	.01850	-.00980	.00700
.949	1.059	10.18000	.01920	-.00140	.00970	55.00000	-.07590	.02000	.02430	-.00980	.00120
.949	2.115	10.19800	.02210	-.00430	.00970	55.00000	-.08270	.02000	.02430	-.00980	.00120
.948	3.161	10.21300	.02210	-.00430	.00970	55.00000	-.09620	.02000	.02430	-.00980	.00120
.948	4.219	10.23100	.02210	-.00430	.00970	55.00000	-.10960	.02000	.02430	-.00980	.00120
.948	6.313	10.23300	.02210	-.00430	.00970	55.00000	-.12310	.02000	.02430	-.00980	.00120
.949	8.392	10.21500	.02210	-.00430	.01940	55.00000	-.00114	.00000	.00026	-.00000	-.00026
	GRADIENT	.00999	.00013	-.00013	-.00029	.00000	.00114	.00000			

RUN NO. 547/ 0		RN/L = 4.97		GRADIENT INTERVAL = -5.00/ 5.00							
MACH	BETA	ALPHA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
1.202	-6.144	9.94370	.02250	-.00890	.02310	55.00000	-.10960	.02490	.02000	-.01470	.00300
1.203	-2.044	9.95590	.02490	-.01130	.00970	55.00000	-.10960	.02990	.02000	-.01970	.00300
1.199	-1.008	9.96200	.02250	-.00890	.00000	55.00000	-.11640	.02490	.02000	-.01470	.00300
1.199	.036	10.05700	.02250	-.00890	.00970	55.00000	-.11640	.02990	.02000	-.01970	.00300
1.200	.541	10.05400	.02490	-.01130	.00000	55.00000	-.11640	.02990	.02000	-.01970	.00300
1.200	1.063	10.05600	.02030	-.01100	.00000	55.00000	-.11640	.02490	.01580	-.01470	.00730
1.199	2.122	10.07500	.02250	-.00890	.00000	55.00000	-.12310	.02490	.02000	-.01470	.00300
1.197	3.170	10.08000	.02250	-.01130	.00000	55.00000	-.12310	.02990	.02000	-.01970	.00300
1.198	4.227	10.09700	.02490	-.00920	.00970	55.00000	-.12310	.02990	.02430	-.01970	.00120
1.197	6.316	10.08900	.02710	-.00920	.00970	55.00000	-.11640	.02490	.02000	-.01470	.00300
1.197	8.389	10.07800	.02250	-.00890	.00970	55.00000	-.00184	.00004	-.00015	.00004	-.00015
	GRADIENT	.02273	-.00010	-.00005	-.00142	.00000	.00184	.00004			

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

(C2F0A2) (08 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA =
AILRON =
SPDBRK =
RN/L =
10.000 ELEVON = .000
.000 BDFLAP = .000
55.000 RUDDER = .000
5.000

RUN NO. 526/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-1B	AIL-1B	ELV-0B	AIL-0B
1.294	-6.180	10.37800	.01330	-.00310	.00970	55.00000	-.12310	.01510	.00520	.01150	-.01150
1.300	-2.018	10.41500	.01330	-.00310	.00970	55.00000	-.13210	.01510	.00520	.01150	-.01150
1.300	-.940	10.42900	.01330	-.00310	.00970	55.00000	-.14110	.01510	.00520	.01150	-.01150
1.298	.156	10.41700	.01330	-.00310	.00970	55.00000	-.14110	.01510	.00520	.01150	-.01150
1.296	.684	10.39800	.01330	-.00310	.00970	55.00000	-.14110	.01510	.00520	.01150	-.01150
1.297	1.235	10.36800	.01080	-.00570	.00970	55.00000	-.15000	.01000	.00010	.01150	-.01150
1.296	2.303	10.32100	.01080	-.00570	.00970	55.00000	-.15900	.01000	.00010	.01150	-.01150
1.297	3.367	10.28500	.01080	-.00570	.00970	55.00000	-.16800	.01000	.00010	.01150	-.01150
1.297	4.410	10.24500	.01080	-.00570	.00970	55.00000	-.16800	.01000	.00010	.01150	-.01150
1.294	6.476	10.18500	.01080	-.00570	.00970	55.00000	-.16920	.01000	.00010	.01150	-.01150
1.294	8.495	10.13800	.01890	.00240	.00970	55.00000	.03200	.00500	-.00500	.03280	.00970
1.292	GRADIENT	-.03011	-.00052	-.00054	-.00168	.00000	-.00511	-.00105	-.00105	.00000	.00000

RUN NO. 525/ 0 RN/L = 4.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-1B	AIL-1B	ELV-0B	AIL-0B
1.401	-6.201	10.31300	.01000	-.00070	.01940	55.00000	-.12310	.01000	.00010	.01000	-.00150
1.406	-2.021	10.35100	.01260	.00190	.00970	55.00000	-.15000	.01510	.00520	.01000	-.00150
1.406	-.942	10.35500	.01540	-.00100	.00970	55.00000	-.15900	.01510	.00520	.01580	-.00730
1.406	.152	10.34500	.01260	.00190	.00970	55.00000	-.15900	.01510	.00520	.01000	-.00150
1.405	.683	10.32600	.01540	-.00100	.00970	55.00000	-.16800	.01510	.00520	.01580	-.00730
1.403	1.232	10.29600	.01260	.00190	.01940	55.00000	-.16800	.01510	.00520	.01000	-.00150
1.402	2.299	10.25800	.01040	-.00030	.01940	55.00000	-.16800	.01510	.00520	.00580	-.00580
1.402	3.369	10.22700	.01040	-.00030	.01940	55.00000	-.16800	.01510	.00520	.00580	-.00580
1.402	4.416	10.18400	.01330	-.00310	.00970	55.00000	-.17690	.01510	.00520	.01150	-.01150
1.400	6.494	10.11900	.01040	-.00030	.00970	55.00000	-.19490	.01510	.00520	.00580	-.00580
1.400	8.517	10.08200	.01260	.00190	.00970	55.00000	-.20390	.01510	.00520	.01000	-.00150
1.398	GRADIENT	-.02835	-.00038	-.00050	.00103	.00000	-.00350	.00000	.00000	-.00074	-.00099

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

PAGE 1149

AMES 118-1-11 OAI45A 01

(C2F0A3) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 592/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.598	-6.090	15.12900	.01640	.00150	.00000	55.00000	.01170	.02000	.01280	-.00980	.01280
.595	-1.994	15.17900	.01640	.00150	.00970	55.00000	-.22180	.02000	.01280	-.00980	.01280
.598	-.957	15.18700	.01640	.00150	.00000	55.00000	-.07590	.02000	.01280	-.00980	.01280
.598	.090	15.19200	.01640	.00150	.00000	55.00000	-.09620	.02000	.01280	-.00980	.01280
.598	.598	15.19300	.02100	.00110	.00000	55.00000	-.10290	.02490	.01700	-.01470	.01700
.598	1.108	15.18300	.01880	-.00100	.00000	55.00000	-.12310	.02490	.01280	-.01470	.01280
.598	2.134	15.16100	.02100	.00110	.00000	55.00000	-.15000	.02490	.01700	-.01470	.01700
.598	3.171	15.15800	.02130	-.00350	.00000	55.00000	-.18590	.02990	.01280	-.01970	.01280
.598	4.216	15.14900	.02340	-.00130	.00000	55.00000	-.25770	.02990	.01700	-.01970	.01700
.598	6.276	15.13000	.02590	-.00380	.00000	55.00000	-.15900	.03480	.01700	-.02460	.01700
.598	8.344	15.08500	.02800	-.00170	.00000	55.00000	.16680	.03480	.02130	-.02460	.02130
	GRADIENT	-.00643	.00119	-.00066	-.00098	.00000	-.01390	.00186	.00053	-.00186	.00053

RUN NO. 574/ 0 RN/L = 4.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.902	-6.159	15.09800	.01750	-.00810	.00970	55.00000	-.18590	.02490	.01000	-.01470	-.00150
.899	-2.028	15.15100	.01750	-.00810	.00970	55.00000	-.25770	.02490	.01000	-.01470	-.00150
.900	-.982	15.15900	.02030	-.01100	.01940	55.00000	-.10290	.02490	.01580	-.01470	-.00730
.900	.071	15.16500	.02030	-.01100	.01940	55.00000	-.13210	.02490	.01580	-.01470	-.00730
.900	.586	15.16200	.01500	-.00560	.01940	55.00000	-.15900	.02000	.01000	-.00980	-.00150
.900	1.102	15.15700	.01790	-.00850	.00970	55.00000	-.14110	.02000	.01580	-.00980	-.00730
.900	2.140	15.14300	.02030	-.01100	.01940	55.00000	-.17690	.02490	.01580	-.01470	-.00730
.899	3.188	15.14100	.01790	-.00850	.01940	55.00000	-.16800	.02000	.01580	-.00980	-.00730
.900	4.242	15.14500	.02030	-.01100	.00970	55.00000	-.15900	.02490	.01580	-.01470	-.00730
.899	6.326	15.12600	.01790	-.00850	.01940	55.00000	-.15000	.02000	.01580	-.00980	-.00730
.899	8.412	15.08700	.01790	-.00850	.01940	55.00000	-.19490	.02000	.01580	-.00980	-.00730
	GRADIENT	-.00273	.00019	-.00019	-.00006	-.00000	.00408	-.00028	.00066	.00028	-.00066

PARAMETRIC DATA

ALPHA = .000
 AILRON = .000
 SPDBRK = 55.000
 RUDDER = 5.000
 ELEVON = .000
 BOFLAP = .000
 RUDDER = .000

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

PAGE 1150

AMES 118-1-11 OAI45A 01

(C2FOA3) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6900 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPDBRK = 55.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 555/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-IB	AIL-IB	ELV-OB	AIL-OB
.952	-6.184	15.18000	.01920	-.00140	.01940	55.00000	-.23080	.02000	-.00980	.01850	-.00700
.951	-2.046	15.22200	.02210	-.00430	.00970	55.00000	-.08270	.02000	-.00980	.02430	-.00120
.948	-.996	15.22200	.02210	-.00430	.00970	55.00000	-.10960	.02000	-.00980	.02430	-.00120
.950	.059	15.24200	.02210	-.00430	.00970	55.00000	-.11640	.02000	-.00980	.02430	-.00120
.947	.575	15.23700	.02210	-.00430	.00970	55.00000	-.11640	.02000	-.00980	.02430	-.00120
.948	1.094	15.23000	.02210	-.00430	.00970	55.00000	-.12310	.02000	-.00980	.02430	-.00120
.949	2.134	15.21900	.02210	-.00430	.00970	55.00000	-.12310	.02000	-.00980	.02430	-.00120
.947	3.182	15.20800	.02210	-.00430	.00970	55.00000	-.12310	.02000	-.00980	.02430	-.00120
.948	4.237	15.20900	.02210	-.00430	.00970	55.00000	-.10960	.02000	-.00980	.02430	-.00120
.947	6.325	15.18900	.02210	-.00430	.00970	55.00000	-.11640	.02000	-.00980	.02430	-.00120
.948	8.412	15.15300	.02210	-.00430	.00970	55.00000	-.11640	.02000	-.00980	.02430	-.00120
	GRADIENT	-.00327	.00000	-.00000	.00000	.00000	-.00521	.00000	-.00000	.00000	.00000

RUN NO. 546/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-IB	AIL-IB	ELV-OB	AIL-OB
1.201	-6.184	15.26600	.02250	-.00890	.00970	55.00000	-.10290	.02490	-.01470	.02000	-.00300
1.201	-2.055	15.26300	.02490	-.01130	.00000	55.00000	-.11640	.02990	-.01970	.02000	-.00300
1.199	-1.005	15.27500	.02490	-.01130	.00000	55.00000	-.11640	.02990	-.01970	.02000	-.00300
1.200	.050	15.00500	.02490	-.01130	.00000	55.00000	-.12310	.02990	-.01970	.02000	-.00300
1.200	.569	15.01000	.02490	-.01130	.00000	55.00000	-.12310	.02990	-.01970	.02000	-.00300
1.200	1.096	15.00400	.02490	-.01130	.00000	55.00000	-.12310	.02990	-.01970	.02430	-.00120
1.200	2.141	14.97900	.02710	-.00920	.00000	55.00000	-.10960	.02990	-.01970	.02430	-.00120
1.200	3.186	14.97700	.02710	-.00920	.00000	55.00000	-.09620	.02990	-.01970	.02430	-.00120
1.199	4.240	14.97900	.02710	-.00920	.00000	55.00000	-.08940	.02990	-.01970	.03850	.00400
1.198	6.333	14.96900	.03420	-.00780	.00000	55.00000	-.09620	.02990	-.01970	.04550	.02250
1.198	8.412	14.93100	.03770	-.00140	.00000	55.00000	-.09620	.02990	-.01970	.00090	.00088
1.198	GRADIENT	-.04898	.00046	.00044	.00000	.00000	.00262	.00000	-.00000	.00000	.00000

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

PAGE 1151

AMES 11B-1-1; OAI45A 01

(C2F0A3) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

ALPHA =
AILRON =
SPDBRK =
RN/L =
15.000 ELEVON =
.000 BDFLAP =
55.000 RUDDER =
5.000

PARAMETRIC DATA

RUN NO. 527/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
1.293	-5.212	15.21000	.01080	-.00570	.00970	55.00000	-.12310	.01000	.01150	.00010	-.01150
1.296	-2.058	15.28800	.01080	-.00570	.00000	55.00000	-.12310	.01000	.01150	.00010	-.01150
1.297	-1.003	15.29900	.01080	-.00570	.00000	55.00000	-.12310	.01000	.01150	.00010	-.01150
1.296	.066	15.30300	.01080	-.00570	.00000	55.00000	-.12310	.01000	.01150	.00010	-.01150
1.296	.578	15.31300	.00830	-.00320	.00000	55.00000	-.12310	.00510	.01150	.00510	-.01150
1.296	1.106	15.30200	.00830	-.00320	.00000	55.00000	-.12310	.00510	.01150	.00510	-.01150
1.295	2.155	15.27300	.00830	-.00570	.00000	55.00000	-.12310	.01000	.01150	.00010	-.01150
1.295	3.205	15.26600	.01080	-.00320	.00000	55.00000	-.12310	.00510	.01150	.00510	-.01150
1.295	4.272	15.26600	.00830	-.00320	.00970	55.00000	-.12310	.00510	.01150	.00510	-.01150
1.293	6.366	15.25300	.00830	-.00320	.00970	55.00000	-.12310	.00510	.01580	.00510	-.00730
1.293	8.457	15.20500	.01040	-.00110	.00970	55.00000	-.12310	.00510	.00000	.00063	.00000
1.294	GRADIENT	-.00585	-.00032	.00032	.00000	.00000	.00000	-.00062	.00000	.00063	.00000

RUN NO. 524/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
1.396	-6.145	15.41900	.01040	-.00530	.00970	55.00000	-.11640	.01500	.00580	-.00480	-.00580
1.399	-1.957	15.35200	.01040	-.00530	.00970	55.00000	-.13210	.01500	.00580	-.00480	-.00580
1.398	-.875	15.35400	.01040	-.00530	.00970	55.00000	-.14110	.01500	.00580	-.00480	-.00580
1.398	.201	15.34400	.01040	-.00530	.00970	55.00000	-.14110	.01500	.00580	-.00480	-.00580
1.397	.722	15.33200	.01040	-.00280	.00970	55.00000	-.14110	.01000	.00580	.00010	-.00580
1.396	1.267	15.27500	.00790	-.00530	.00970	55.00000	-.15000	.01500	.00580	-.00480	-.00580
1.396	2.347	15.31700	.01040	-.00530	.00970	55.00000	-.15900	.01500	.00580	-.00480	-.00580
1.396	3.413	15.23800	.01040	-.00530	.00000	55.00000	-.16800	.01000	.01000	.00010	-.00150
1.396	4.461	15.19000	.01000	-.00070	.00000	55.00000	-.18590	.01000	.01000	.00010	-.00150
1.393	6.552	15.12500	.01000	-.00070	.00000	55.00000	-.19490	.01510	.01850	.00520	.00700
1.394	8.566	15.07500	.01680	.00610	-.00164	.00000	-.00571	-.00052	.00042	.00050	.00043
1.394	GRADIENT	-.02655	-.00005	.00047	.00000	.00000	.00000	.00000	.00042	.00050	.00043

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OAI45 TABULATED FORCE DATA

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(C2FOA4) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 BETA = .000
ELEVON = .000 AILRON = .000
BOFLAP = .000 SPDBRK = 55.000
RN/L = 5.000

RUN NO. 593/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.598	-14.970	-.04960	.01050	.01710	-.00770	.00000	55.00000	.02990	.00430	-.01970	.00430
.598	-10.771	-.04920	.00640	.01710	-.00770	.00000	55.00000	.02990	.00430	-.01970	.00430
.598	-4.924	-.04900	.00250	.01990	-.01060	.00000	55.00000	.02990	.01000	-.01970	-.00150
.598	-2.442	-.05040	.00060	.01990	-.01060	.00000	55.00000	.02990	.01000	-.01970	-.00150
.598	-.123	-.05140	-.00120	.02450	-.01090	.00970	55.00000	.03480	.01430	-.02460	.00270
.598	2.479	-.05180	-.00320	.02490	-.01550	.00000	55.00000	.03980	.01000	-.02960	-.00150
.598	4.996	-.05280	-.00510	.02740	-.01800	.00000	55.00000	.04470	.01000	-.03450	-.00150
.598	10.051	-.05440	-.00950	.03200	-.01840	.00000	55.00000	.04970	.01430	-.03950	.00270
.598	15.022	-.05690	-.01420	.01960	-.00600	.00970	55.00000	.02490	.01430	-.01470	.00270
.598	18.116	-.05850	-.01710	.01750	-.00810	.00970	55.00000	.02490	.01000	-.01470	-.00150
.598	22.658	-.05890	-.02100	.02210	-.00850	.00000	55.00000	.02990	.01430	-.01970	.00270
	GRADIENT	-.00036	-.00077	.00080	-.00080	-.00002	.00000	.00160	-.00001	-.00160	-.00001

RUN NO. 577/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.798	-14.940	-.01070	.09230	.01710	-.00350	.00000	55.00000	.02000	.01430	-.00980	.00270
.799	-10.709	-.00860	.08680	.01710	-.00350	.00970	55.00000	.02000	.01430	-.00980	.00270
.799	-4.961	-.00690	.08090	.01710	-.00350	.00000	55.00000	.02000	.01430	-.00980	.00270
.799	-2.459	-.00580	.07890	.01710	-.00350	.00000	55.00000	.02000	.01430	-.00980	.00270
.800	-.103	-.00450	.07680	.01710	-.00350	.00970	55.00000	.02000	.01430	-.00980	.00270
.800	2.505	-.00590	.07460	.01710	-.00350	.00000	55.00000	.02000	.01430	-.00980	.00270
.799	4.996	-.00610	.07160	.01710	-.00350	.00970	55.00000	.02000	.01430	-.00980	.00270
.799	10.027	-.00720	.06480	.01710	-.00350	.00000	55.00000	.02000	.01430	-.00980	.00270
.800	14.996	-.00650	.05890	.01710	-.00350	.00970	55.00000	.02000	.01430	-.00980	.00270
.799	18.107	-.00590	.05570	.01710	-.00350	.00000	55.00000	.02000	.01430	-.00980	.00270
.799	22.818	-.00520	.05110	.01710	-.00350	.00970	55.00000	.02000	.01430	-.00980	.00270
	GRADIENT	.00006	-.00092	-.00000	-.00000	.00077	-.00000	-.00000	.00000	-.00000	.00000

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OAI45 TABULATED FORCE DATA

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(C2F044) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

ALPHA =
ELEVON =
BOFLAP =
RN/L =

BETA =
AILRON =
SPDBRK =

PARAMETRIC DATA

RUN NO. 571/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	ELV-1B	AIL-1B	AIL-0B
.900	-14.970	-11390	.02120	.01920	-.00140	.01940	55.00000	.02000	-.00980	.00700
.901	-10.754	-.10940	.01520	.01920	-.00140	.01940	55.00000	.02000	-.00980	.00700
.901	-4.947	-11030	.00870	.01920	-.00140	.00970	55.00000	.02000	-.00980	.00700
.900	-2.418	-11260	.00620	.01920	-.00140	.00970	55.00000	.02000	-.00980	.00700
.901	-.089	-10880	.00420	.01920	-.00140	.00970	55.00000	.02000	-.00980	.00700
.899	2.513	-11180	.00070	.01920	-.00140	.00000	55.00000	.02000	-.00980	.00700
.900	5.014	-11050	-.00310	.01920	-.00140	.00970	55.00000	.02000	-.00980	.00700
.900	10.011	-11440	-.01020	.01920	-.00140	.00970	55.00000	.02000	-.00980	.00700
.900	15.014	-11780	-.01640	.01920	-.00140	.00970	55.00000	.02000	-.00980	.00700
.899	18.143	-12110	-.02020	.01920	-.00140	.00970	55.00000	.02000	-.00980	.00700
.900	19.608	-11950	-.02170	.01920	-.00140	.00970	55.00000	.02000	-.00980	.00700
	GRADIENT	-.00004	-.00105	-.00000	.00000	-.00119	.00000	.00000	.00000	.00000

RUN NO. 558/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	ELV-1B	AIL-1B	AIL-0B
.951	-14.970	-.07880	.01320	.01290	-.00780	.00970	55.00000	.02000	-.00980	-.00580
.952	-10.762	-.07850	.00720	.01820	-.01310	.00970	55.00000	.02490	-.01470	-.01150
.951	-4.961	-.07910	.00170	.01570	-.01060	.00970	55.00000	.02000	-.00980	-.01150
.951	-2.426	-.07940	-.00070	.01570	-.01060	.00970	55.00000	.02000	-.00980	-.01150
.950	-.096	-.07750	-.00310	.01570	-.01060	.00970	55.00000	.02000	-.00980	-.01150
.951	2.488	-.07870	-.00520	.01530	-.01020	.00970	55.00000	.02490	-.01470	-.00580
.951	5.024	-.08050	-.00850	.01290	-.00780	.00970	55.00000	.02000	-.00980	-.01150
.951	10.027	-.08150	-.01500	.01570	-.01060	.00970	55.00000	.02000	-.00980	-.01150
.951	15.022	-.08580	-.02110	.01570	-.01060	.00970	55.00000	.02000	-.00980	-.01150
.950	18.125	-.08720	-.02530	.01820	-.01310	.00970	55.00000	.02490	-.01470	-.01150
.951	22.771	-.09010	-.02980	.01820	-.01310	.00970	55.00000	.02490	-.01470	-.01150
	GRADIENT	.00012	-.00094	-.00005	.00005	.00000	.00000	.00060	.00060	.00070

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0A145 TABULATED FORCE DATA
AMES 118-1-11 0A145A 01

PAGE 1154
(C2F0A4) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPD8RK = 55.000
RN/L = 5.00

RUN NO. 543/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPD8RK	ELV-1B	ELV-OB	AIL-1B	AIL-OB
1.201	-14.976	-1.3560	.01610	.01280	-.01280	.02910	55.00000	.01980	.00580	-.01980	-.00580
1.203	-10.745	-1.3740	.01310	.01280	-.01280	.03880	55.00000	.01980	.00580	-.01980	-.00580
1.201	-4.939	-1.3800	.00900	.01280	-.01280	.02910	55.00000	.01980	.00580	-.01980	-.00580
1.201	-2.434	-1.3840	.00760	.01280	-.01280	.03880	55.00000	.01980	.00580	-.01980	-.00580
1.201	-1.116	-1.3820	.00590	.01530	-.01020	.00000	55.00000	.02490	.00580	-.01470	-.00580
1.202	2.531	-1.3890	.00420	.01530	-.01020	.00000	55.00000	.02490	.00580	-.01470	-.00580
1.201	5.014	-1.4160	.00250	.01530	-.01020	.00000	55.00000	.02490	.01150	-.01470	-.01150
1.201	10.035	-1.4280	-.00190	.01820	-.01310	.00000	55.00000	.02490	.01150	-.01470	-.01150
1.201	15.031	-1.4220	-.00490	.01820	-.01310	.00970	55.00000	.02490	.01150	-.01470	-.01150
1.200	18.125	-1.4160	-.00660	.01820	-.01310	.00970	55.00000	.02490	.01150	-.01470	-.01150
1.201	22.649	-1.4000	-.00880	.01820	-.01310	.00970	55.00000	.02490	.01150	-.01470	-.01150
1.201	GRADIENT	-.00010	-.00065	.00040	.00042	-.00503	.00000	.00082	-.00000	.00082	.00000

AMES 118-1-11 0A145A 01

(C2F0A5) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPD8RK = 55.000
RN/L = 5.00

RUN NO. 584/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPD8RK	ELV-1B	ELV-OB	AIL-1B	AIL-OB
.597	-14.976	4.94170	.03350	.01920	-.00140	.00000	55.00000	.02000	.01850	-.00980	-.00700
.598	-10.762	4.95210	.03030	.01420	-.00060	.00970	55.00000	.02000	.00850	-.00980	.00850
.599	-4.947	4.99320	.02630	.01500	-.00560	.00000	55.00000	.02000	.01000	-.00980	-.00150
.599	-2.434	4.93450	.02400	.01500	-.00560	.00000	55.00000	.02000	.01000	-.00980	-.00150
.599	-2.213	4.99560	.02120	.01500	-.00560	.00970	55.00000	.02000	.01000	-.00980	-.00150
.598	2.022	4.99460	.01890	.01500	-.00560	.00000	55.00000	.02000	.01000	-.00980	-.00150
.598	5.014	4.99520	.01560	.01500	-.00560	.00000	55.00000	.02000	.01000	-.00980	-.00150
.598	9.995	4.99490	.01140	.01500	-.00560	.00000	55.00000	.02000	.01000	-.00980	-.00150
.598	15.031	4.99520	.00760	.01500	-.00560	.00000	55.00000	.02000	.01000	-.00980	-.00150
.597	18.125	4.99540	.00570	.01500	-.00560	.00000	55.00000	.02000	.01000	-.00980	-.00150
.598	22.846	4.99580	.00270	.01210	-.00280	.00000	55.00000	.02000	.00430	-.00980	-.00430
.598	GRADIENT	.00023	-.00108	-.00000	.00000	.00167	.00000	.00000	.00000	.00000	.00000

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OAI45 TABULATED FORCE DATA

PAGE 1155

AMES 118-1-11 OAI45A 01

(C2F0A5) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SO.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. X0
YMRP = .0000 IN. Y0
ZMRP = 375.0000 IN. Z0

PARAMETRIC DATA

ALPHA = 5.000
ELEVON = .000
BDFLAP = .000
RN/L = 5.000

BETA = .000
AILRON = .000
SPDBRK = 55.000

RUN NO. 563/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-08	AIL-08	AIL-08
.800	-14.935	5.01880	.04010	.01500	-.00560	.00000	55.00000	.01000	-.00980	-.00150
.799	-10.762	5.02130	.03620	.01500	-.00560	.00970	55.00000	.01000	-.00980	-.00150
.799	-4.954	5.02300	.03120	.01500	-.00560	.00000	55.00000	.01000	-.00980	-.00150
.800	-2.426	5.02290	.02830	.01500	-.00560	.00000	55.00000	.01000	-.00980	-.00150
.798	-1.103	5.02310	.02520	.01500	-.00560	.00000	55.00000	.01000	-.00980	-.00150
.800	2.513	5.02480	.02160	.01500	-.00560	.00000	55.00000	.01000	-.00980	-.00150
.799	4.986	5.02510	.01810	.01500	-.00560	.00000	55.00000	.01000	-.00980	-.00150
.801	10.027	5.02780	.01290	.01500	-.00560	.00000	55.00000	.01000	-.00980	-.00150
.799	15.005	5.02450	.00840	.01500	-.00560	.00000	55.00000	.01000	-.00980	-.00150
.800	18.107	5.02580	.00600	.01500	-.00560	.00000	55.00000	.01000	-.00980	-.00150
.799	22.846	5.02500	.00240	.01500	-.00560	.00000	55.00000	.01000	-.00980	-.00150
	GRADIENT	.00025	-.00133	.00000	.00000	.00000	.00000	-.00000	-.00000	-.00000

RUN NO. 568/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-08	AIL-08	AIL-08
.900	-14.976	4.97110	.04750	.01500	-.00560	.00970	55.00000	.01000	-.00980	-.00150
.900	-10.745	4.97420	.04350	.01710	-.00350	.01940	55.00000	.01430	-.00980	-.00270
.899	-4.939	4.97620	.03800	.01710	-.00350	.01940	55.00000	.01430	-.00980	-.00270
.901	-2.426	4.97920	.03500	.01960	-.00600	.00970	55.00000	.01430	-.01470	-.00270
.900	-.096	4.97840	.03150	.01710	-.00350	.01940	55.00000	.01430	-.00980	-.00270
.899	2.531	4.97980	.02780	.01710	-.00350	.00970	55.00000	.01430	-.00980	-.00270
.900	4.968	4.98270	.02400	.01710	-.00350	.01940	55.00000	.01430	-.00980	-.00270
.900	10.011	4.98220	.01830	.01960	-.00600	.01940	55.00000	.01430	-.01470	-.00270
.900	15.014	4.97980	.01380	.01710	-.00350	.01940	55.00000	.01430	-.00980	-.00270
.899	18.143	4.97700	.01140	.01710	-.00350	.01940	55.00000	.01430	-.00980	-.00270
.900	22.818	4.97870	.00800	.01960	-.00600	.01940	55.00000	.01430	-.01470	-.00270
	GRADIENT	.00055	-.00142	-.00010	.00010	-.00001	.00000	-.00019	.00019	.00000

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA
AMES 118-1-11 OAI45A 01

PAGE 1156
(C2F0A5) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA =
ELEVON =
BDFLAP =
RN/L =
BETA =
AILRON =
SPDBRK =
5.000
.000
.000
5.000
5.000
.000
55.000

RUN NO. 562/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-08	AIL-08	AIL-0B
.951	-14.965	5.06650	.04330	.01500	-.00560	.01940	55.00000	.01000	-.00980	-.00150
.951	-10.727	5.07000	.03890	.01500	-.00560	.01940	55.00000	.01000	-.00980	-.00150
.950	-4.947	5.07370	.03390	.01500	-.00560	.01940	55.00000	.01000	-.00980	-.00150
.949	-2.459	5.06810	.03210	.01750	-.00810	.01940	55.00000	.01000	-.01470	-.00150
.950	-.096	5.07240	.02880	.01750	-.00810	.01940	55.00000	.01000	-.01470	-.00150
.951	2.505	5.07380	.02500	.01500	-.00560	.00970	55.00000	.01000	-.00980	-.00150
.951	5.024	5.07720	.02120	.01750	-.00810	.01940	55.00000	.01000	-.01470	-.00150
.951	10.027	5.07460	.01560	.01500	-.00560	.01940	55.00000	.01000	-.00980	-.00150
.950	15.005	5.07170	.01030	.01500	-.00560	.01940	55.00000	.01000	-.00980	-.00150
.949	18.134	5.07270	.00770	.01500	-.00560	.01940	55.00000	.01000	-.00980	-.00150
.951	22.780	5.07080	.00390	.01500	-.00560	.01940	55.00000	.01000	-.00980	-.00150
	GRADIENT	.00018	-.00121	-.00000	.00000	-.00119	.00000	.00000	.00001	-.00000

RUN NO. 541/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-08	AIL-08	AIL-0B
1.201	-14.976	5.13760	.04360	.01280	-.01280	.02910	55.00000	.00580	-.01980	-.00580
1.202	-10.745	5.16470	.04230	.01280	-.01280	.02910	55.00000	.00580	-.01980	-.00580
1.201	-4.954	5.16450	.03950	.01280	-.01280	.01940	55.00000	.00580	-.01980	-.00580
1.201	-2.434	5.16590	.03800	.01280	-.01280	.02910	55.00000	.00580	-.01980	-.00580
1.201	-.751	5.16660	.03610	.01280	-.01280	.02910	55.00000	.00580	-.01980	-.00580
1.200	-.103	5.16650	.03530	.01280	-.01280	.02910	55.00000	.00580	-.01980	-.00580
1.202	2.513	5.16630	.03210	.01530	-.01020	.02910	55.00000	.00580	-.01470	-.00580
1.201	5.005	5.16720	.02970	.01530	-.01020	.02910	55.00000	.00580	-.01470	-.00580
1.202	10.027	5.16710	.02700	.01530	-.01020	.02910	55.00000	.00580	-.01470	-.00580
1.202	15.014	5.16920	.02480	.01280	-.01280	.02910	55.00000	.00580	-.01980	-.00580
1.201	18.134	5.17040	.02370	.01280	-.01280	.02910	55.00000	.00580	-.01980	-.00580
1.201	22.677	5.17490	.02250	.01280	-.01280	.02910	55.00000	.00580	-.01980	-.00580
1.200	GRADIENT	.00025	-.00100	.00000	-.00000	.00005	.00000	.00000	.00000	.00000

DATE 10 MAR 80

OAI145 TABULATED FORCE DATA

PAGE 1157

ANES 118-1-11 OAI145A 01

(C2F0A5) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 529/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.305	-14.752	5.02470	.04440	.01080	-.00070	.00000	55.00000	.01020	.01150	.01020	-.01150
1.301	-10.691	5.02560	.04260	.01080	-.00070	.00000	55.00000	.01020	.01150	.01020	-.01150
1.299	-5.359	5.02590	.04080	.01080	-.00070	.00000	55.00000	.01020	.01150	.01020	-.01150
1.299	-2.751	5.02600	.03870	.01080	-.00070	.00000	55.00000	.01020	.01150	.01020	-.01150
1.297	-.141	5.02720	.03600	.01080	-.00070	.00970	55.00000	.01020	.01150	.01020	-.01150
1.299	2.333	5.02780	.03340	.01080	-.00070	.00000	55.00000	.01020	.01150	.01020	-.01150
1.299	4.802	5.02900	.03130	.01080	-.00070	.00000	55.00000	.01020	.01150	.01020	-.01150
1.299	9.756	5.03080	.02830	.01080	-.00070	.00000	55.00000	.01020	.01150	.01020	-.01150
1.299	14.582	5.03260	.02620	.01080	-.00070	.00000	55.00000	.01020	.01150	.01020	-.01150
1.299	18.061	5.03370	.02470	.01080	-.00070	.00000	55.00000	.01020	.01150	.01020	-.01150
1.298	22.399	5.03500	.02380	.01080	-.00070	.00000	55.00000	.01020	.01150	.01020	-.01150
	GRADIENT	.03038	-.00099	.00000	.00000	-.00037	-.00000	.00000	.00000	.00000	.00000

PARAMETRIC DATA

ALPHA =
 ELEVON =
 BDFLAP =
 RN/L =

5.000 BETA = .000
 .000 AILRON = .000
 .000 SPOBRK = 55.000
 5.000

RUN NO. 520/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.403	-14.736	5.07570	.03780	.01580	-.00560	-.01000	55.00000	.02010	.01150	.00030	-.01150
1.403	-10.727	5.07530	.03640	.01580	-.00560	.00000	55.00000	.02010	.01150	.00030	-.01150
1.405	-5.388	4.59480	.05440	.01330	-.00820	.00000	55.00000	.01500	.01150	-.00480	-.01150
1.404	-2.784	4.60980	.05110	.01330	-.00820	.00000	55.00000	.01500	.01150	-.00480	-.01150
1.404	-.123	5.30080	.01810	.01580	-.00560	.00000	55.00000	.02010	.01150	-.00030	-.01150
1.404	2.367	4.59600	.04250	.02140	.00490	.00000	55.00000	.01000	.03280	.00010	.00970
1.404	4.792	4.59680	.04100	.02390	.00250	.00000	55.00000	.01500	.03280	-.00480	.00970
1.404	9.724	4.59920	.03810	.02390	.00250	.00000	55.00000	.01500	.03280	-.00480	.00970
1.404	14.556	4.59360	.03620	.02390	.00250	.00000	55.00000	.01500	.03280	-.00480	.00970
1.404	18.116	4.59360	.03510	.02390	.00250	.00970	55.00000	.01500	.03280	-.00480	.00970
1.403	22.335	4.60160	.03390	.02390	.00250	.00000	55.00000	.01500	.03280	-.00480	.00970
	GRADIENT	-.02785	-.00031	.00148	.00169	.00000	-.00000	-.00040	.00337	.00001	.00335

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

PAGE 1158

AMES 118-1-11 0A145A 01

(C2FOA8) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA =
ELEVON =
BDFLAP =
RN/L =
BETA =
AILRON =
SPDBRK =
10.000
.000
.000
5.000
.000
55.000
5.000

RUN NO. 594/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-08	AIL-1B	AIL-08
.599	-14.993	10.13100	.06330	.01290	-.00780	.00000	55.00000	.00580	-.00980	-.00580
.597	-10.736	10.13000	.06000	.01290	-.00780	.00970	55.00000	.00580	-.00980	-.00580
.597	-4.932	10.13300	.05520	.01530	-.01020	.00000	55.00000	.00580	-.01470	-.00580
.597	-2.426	10.13400	.05300	.01530	-.01020	.00000	55.00000	.00580	-.01470	-.00580
.597	-1.103	10.13400	.05040	.01530	-.01020	.00970	55.00000	.00580	-.01470	-.00580
.597	2.496	10.13700	.04700	.01530	-.01020	.00000	55.00000	.00580	-.01470	-.00580
.597	4.996	10.13700	.04420	.01530	-.01270	.00000	55.00000	.00580	-.01970	-.00580
.597	10.003	10.13800	.03980	.01780	-.01270	.00970	55.00000	.00580	-.01970	-.00580
.597	15.005	10.14100	.03600	.01780	-.01270	.00970	55.00000	.00580	-.01970	-.00580
.598	18.107	10.14200	.03370	.01780	-.01270	.00000	55.00000	.00580	-.01970	-.00580
.598	22.780	10.14300	.03090	.01780	-.01270	.00000	55.00000	.00580	-.01970	-.00580
	GRADIENT	.00045	-.00113	.00000	-.00000	-.00002	-.00000	-.00000	.00000	.00000

RUN NO. 578/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-08	AIL-1B	AIL-08
.798	-14.976	10.26200	.12940	.01710	-.00350	.00000	55.00000	.01430	-.00980	.00270
.799	-10.727	10.26200	.12550	.01500	-.00560	.00970	55.00000	.01000	-.00980	-.00150
.798	-4.932	10.25800	.12040	.01500	-.00560	.00000	55.00000	.01000	-.00980	-.00150
.799	-2.434	10.25900	.11770	.01500	-.00560	.00000	55.00000	.01000	-.00980	-.00150
.799	-.096	10.26100	.11510	.01500	-.00560	.00970	55.00000	.01000	-.00980	-.00150
.799	2.496	10.26200	.11140	.01500	-.00560	.00000	55.00000	.01000	-.00980	-.00150
.799	5.014	10.26100	.10780	.01500	-.00560	.00970	55.00000	.01000	-.00980	-.00150
.797	10.027	10.25800	.10270	.01500	-.00560	.00000	55.00000	.01000	-.00980	-.00150
.799	15.014	10.25900	.09840	.01500	-.00560	.00000	55.00000	.01000	-.00980	-.00150
.798	18.107	10.25800	.09600	.01710	-.00350	.00000	55.00000	.01430	-.00980	.00270
.798	22.818	10.25600	.09230	.01500	-.00560	.00000	55.00000	.01000	-.00980	-.00150
	GRADIENT	.00057	-.00120	.00000	.00000	.00037	.00000	.00000	.00000	.00000

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

PAGE 1159

AMES 118-1-11 OAI45A 01

(C2F0A6) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. X0
 LREF = 474.8100 INCHES YMRP = .0000 IN. Y0
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. Z0
 SCALE = .0500

ALPHA =
 ELEVON =
 BDFLAP =
 RN/L =

10.000 BETA =
 .000 AILRON =
 .000 SPDBRK =
 5.000

PARAMETRIC DATA

RUN NO. 570/ 0 RN/L = 4.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.899	-14.970	10.13600	.04940	.01710	-.00350	.00970	55.00000	.02000	.01430	-.00980	.00270
.901	-10.745	10.14200	.04530	.01710	-.00350	.01940	55.00000	.02000	.01430	-.00980	.00270
.900	-4.961	10.14500	.04030	.01710	-.00350	.00970	55.00000	.02000	.01430	-.00980	.00270
.902	-2.418	10.15400	.03720	.01710	-.00350	.00970	55.00000	.02000	.01430	-.00980	.00270
.902	-1.103	10.15100	.03420	.01710	-.00350	.00970	55.00000	.02000	.01430	-.00980	.00270
.899	2.522	10.14900	.03080	.01710	-.00350	.00970	55.00000	.02000	.01430	-.00980	.00270
.901	4.996	10.15400	.02720	.01710	-.00350	.01940	55.00000	.02000	.01430	-.00980	.00270
.900	10.011	10.15400	.02150	.01710	-.00350	.00970	55.00000	.02000	.01430	-.00980	.00270
.901	15.014	10.15600	.01720	.01710	-.00350	.00970	55.00000	.02000	.01430	-.00980	.00270
.901	18.107	10.15500	.01500	.01710	-.00350	.00970	55.00000	.02000	.01430	-.00980	.00270
.900	22.818	10.15300	.01170	.01710	-.00350	.00970	55.00000	.02000	.01430	-.00980	.00270
	GRADIENT	.00053	-.00131	.00000	-.00000	.00078	.00000	.00000	.00000	-.00000	.00000

RUN NO. 559/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.912	-14.965	10.20400	.03940	.01790	-.00850	.00970	55.00000	.02000	.01580	-.00980	-.00730
.950	-10.727	10.19300	.03550	.01790	-.00850	.01940	55.00000	.02000	.01580	-.00980	-.00730
.952	-4.961	10.21600	.03030	.01290	-.00780	.00970	55.00000	.02000	.00580	-.00980	-.00580
.951	-2.451	10.21000	.02800	.01790	-.00850	.00970	55.00000	.02000	.01580	-.00980	-.00730
.951	-.089	10.20900	.02560	.01790	-.00850	.00970	55.00000	.02000	.01580	-.00980	-.00730
.952	2.505	10.21100	.02190	.01290	-.00780	.00000	55.00000	.02000	.00580	-.00980	-.00580
.951	5.005	10.21000	.01920	.01790	-.00850	.00970	55.00000	.02000	.01580	-.00980	-.00730
.952	10.011	10.21800	.01420	.01500	-.00560	.00970	55.00000	.02000	.01000	-.00380	-.00150
.951	15.005	10.21400	.01030	.01790	-.00850	.00970	55.00000	.02000	.01580	-.00980	-.00730
.950	18.107	10.21100	.00760	.02000	-.00640	.00970	55.00000	.02000	.02000	-.00980	-.00300
.950	22.855	10.21300	.00420	.01710	-.00350	.00970	55.00000	.02000	.01430	-.00980	-.00270
	GRADIENT	-.00064	-.00112	-.00001	.00000	-.00119	.00000	.00000	-.00001	-.00000	.00000

DATE 10 MAR 80

OAI145 TABULATED FORCE DATA

PAGE 1160

AMES 118-1-11 OAI145A 01

(C2F0A6) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 BETA = .000
ELEVON = .000 AILRON = .000
BOFLAP = .000 SPD8RK = .000
RN/L = 5.000

RUN NO. 544/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPD8RK	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.203	-14.965	10.32800	.03060	.01820	-.01310	.00000	55.00000	.02490	.01150	-.01470	-.01150
1.203	-10.754	10.04300	.02410	.01820	-.01310	.00970	55.00000	.02490	.01150	-.01470	-.01150
1.202	-4.954	10.04400	.02120	.01820	-.01310	.00970	55.00000	.02490	.01150	-.01470	-.01150
1.202	-2.451	10.04600	.01890	.01820	-.01310	.00970	55.00000	.02490	.01150	-.01470	-.01150
1.202	-.096	10.04600	.01700	.01570	-.01570	.01940	55.00000	.01980	.01150	-.01980	-.01150
1.203	2.522	10.04800	.01360	.01820	-.01310	.01940	55.00000	.02490	.01150	-.01470	-.01150
1.201	5.024	10.04900	.01120	.01320	-.01310	.01940	55.00000	.02490	.01150	-.01470	-.01150
1.201	10.027	10.04900	.00840	.01820	-.01310	.01940	55.00000	.02490	.01150	-.01470	-.01150
1.201	15.005	10.05200	.00560	.01820	-.01310	.02910	55.00000	.02490	.01150	-.01470	-.01150
1.200	18.143	10.05400	.00450	.01820	-.01310	.02910	55.00000	.02490	.01150	-.01470	-.01150
1.202	22.677	10.05500	.00320	.01820	-.01310	.02910	55.00000	.02490	.01150	-.01470	-.01150
	GRADIENT	.00049	-.00100	-.00009	-.00010	.00155	.00000	-.00019	.00000	-.00019	-.00000

RUN NO. 528/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPD8RK	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.308	-14.741	10.12900	.03170	.00830	-.00320	.00000	55.00000	.00510	.01150	.00510	-.01150
1.307	-10.655	10.12800	.02910	.00830	-.00320	.00970	55.00000	.00510	.01150	.00510	-.01150
1.300	-5.381	10.13400	.02580	.00830	-.00320	.00970	55.00000	.00510	.01150	.00510	-.01150
1.300	-2.792	10.13600	.02350	.00830	-.00320	.00970	55.00000	.00510	.01150	.00510	-.01150
1.298	-.089	10.13800	.02120	.00830	-.00320	.00000	55.00000	.00510	.01150	.00510	-.01150
1.298	2.307	10.13800	.01990	.00830	-.00320	.00970	55.00000	.00510	.01150	.00510	-.01150
1.298	4.848	10.13800	.01740	.00830	-.00320	.00970	55.00000	.00510	.01150	.00510	-.01150
1.298	9.740	10.14000	.01440	.01080	-.00070	.00000	55.00000	.01020	.01150	.01020	-.01150
1.298	14.538	10.14500	.01190	.01080	-.00070	.00970	55.00000	.01020	.01150	.01020	-.01150
1.298	18.080	10.14500	.01110	.01080	-.00070	.00970	55.00000	.01020	.01150	.01020	-.01150
1.298	22.445	10.14800	.00980	.01080	-.00070	.00970	55.00000	.01020	.01150	.01020	-.01150
	GRADIENT	.00024	-.00078	.00000	-.00000	-.00037	-.00000	.00000	.00000	.00000	.00000

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

PAGE 1161

AMES 118-1-11 OAI45A 01

(C2F0A6) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 55.000
RN/L = 5.000

RUN NO. 521/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.396	-14.752	10.22700	.01950	.02180	.00030	.00000	55.00000	.01500	.02850	-.00480	.00550
1.398	-10.682	10.21700	.01750	.02180	.00030	.00000	55.00000	.01500	.02850	-.00480	.00550
1.400	-5.351	10.21200	.01580	.02180	.00030	.00000	55.00000	.01500	.02850	-.00480	.00550
1.402	-2.751	10.21300	.01250	.02180	.00030	.00000	55.00000	.01500	.02850	-.00480	.00550
1.402	-1.141	10.21200	.01150	.02390	.00250	.00000	55.00000	.01500	.02850	-.00480	.00550
1.402	2.358	10.21200	.00930	.02180	.00030	.00000	55.00000	.01500	.02850	-.00480	.00550
1.402	4.820	10.21200	.00750	.02390	.00250	.00000	55.00000	.01500	.02850	-.00480	.00550
1.402	9.692	10.21400	.00420	.02180	.00030	.00000	55.00000	.01500	.02850	-.00480	.00550
1.402	14.521	10.21800	.00170	.02390	.00250	.00000	55.00000	.01500	.02850	-.00480	.00550
1.402	18.080	10.21800	.00120	.02390	.00250	.00000	55.00000	.01500	.02850	-.00480	.00550
1.402	22.427	10.22400	-.00090	.02390	.00250	.00000	55.00000	.01500	.02850	-.00480	.00550
1.402	GRADIENT	-.00012	-.00068	.00017	.00018	.00000	.00000	.00000	.00034	-.00000	.00034

AMES 118-1-11 OAI45A 01

(C2F0A7) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 55.000
RN/L = 5.000

RUN NO. 545/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.196	-14.960	15.10100	.02610	.02240	-.01390	.00000	55.00000	.02480	.02000	-.02480	-.00300
1.203	-10.745	15.09400	.02300	.01950	-.01100	.00970	55.00000	.02480	.01430	-.02480	-.00270
1.202	-4.932	15.03200	.03000	.02240	-.01390	.00970	55.00000	.02480	.02000	-.02480	-.00300
1.202	-2.434	15.03500	.02830	.02490	-.01130	.00970	55.00000	.02990	.02000	-.01970	-.00300
1.201	-1.103	15.03700	.02580	.02490	-.01130	.00970	55.00000	.02990	.02000	-.01970	-.00300
1.199	2.522	15.04200	.02250	.02490	-.01130	.00970	55.00000	.02990	.02000	-.01970	-.00300
1.202	5.024	15.04000	.01900	.02240	-.01390	.01940	55.00000	.02480	.02000	-.02480	-.00300
1.200	10.019	15.04500	.01460	.02490	-.01130	.00970	55.00000	.02990	.02000	-.01970	-.00300
1.202	15.014	15.04700	.00930	.02490	-.01130	.00970	55.00000	.02990	.02000	-.01970	-.00300
1.198	18.116	15.05200	.00830	.02490	-.01130	.00970	55.00000	.02990	.02000	-.01970	-.00300
1.200	22.686	15.05300	.00670	.02480	-.01130	.01940	55.00000	.02990	.02000	-.01970	-.00300
1.200	GRADIENT	.00130	-.00101	.00030	.00031	.00000	.00000	.00062	.00000	.00062	-.00000

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

PAGE 1162

(C2F0A7) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 522/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPDBRK = 55.000
 RN/L = 5.000

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-1B	ELV-OB	AIL-1B	AIL-OB
1.393	-14.731	15.31100	.04490	.01920	-.00220	.00000	55.00000	.00990	.02850	-.00990	.00550
1.394	-10.691	15.30500	.04440	.01920	-.00220	.00000	55.00000	.00990	.02850	-.00990	.00550
1.397	-5.381	15.30400	.03850	.01920	-.00220	.00000	55.00000	.00990	.02850	-.00990	.00550
1.399	-2.776	15.30500	.03620	.01920	-.00220	.00000	55.00000	.00990	.02850	-.00990	.00550
1.398	2.350	15.30100	.03760	.01920	-.00220	.00970	55.00000	.00990	.02850	-.00990	.00550
1.398	4.848	15.30700	.03050	.01920	-.00220	.00000	55.00000	.00990	.02850	-.00990	.00550
1.398	9.708	15.30900	.03070	.02390	.00250	.00000	55.00000	.01500	.03280	-.00480	.00970
1.398	14.547	15.31200	.02660	.02390	.00250	.00970	55.00000	.01500	.03280	-.00480	.00970
1.398	18.089	15.31100	.02430	.02600	.00460	.00970	55.00000	.01500	.03700	-.00480	.01400
1.398	22.417	15.32200	.01840	.02320	.00200	.00000	55.00000	.00990	.03700	-.00990	.01400
1.398	GRADIENT	.00069	-.00092	.00055	-.00035	-.00000	-.00000	.00060	.00051	.00060	.00049

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(C2F0A8) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 586/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 55.000 RUDDER = -5.000
 RN/L = 5.000

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-1B	ELV-OB	AIL-1B	AIL-OB
.597	-5.042	-.02460	.01420	-.00060	.00000	55.00000	-4.93150	.02000	.00850	-.00980	.00850
.599	-.062	.00700	.01640	.00150	.00000	55.00000	-4.93900	.02000	.01280	-.00980	.01280
.597	2.489	.01480	.01920	-.00140	.00000	55.00000	-4.94650	.02000	.01850	-.00980	.00700
.597	4.986	.01400	.01640	.00150	.00000	55.00000	-4.96900	.02000	.01280	-.00980	.00850
.597	6.889	.04490	.01420	-.00060	.00000	55.00000	-4.96150	.02000	.00850	-.00980	.00850
.598	8.073	.04070	.01420	-.00060	.00000	55.00000	-4.94650	.02000	.00850	-.00980	.00850
.598	10.129	.04230	.01210	-.00280	.00000	55.00000	-4.95400	.02000	.00430	-.00980	.00430
.597	12.168	.03580	.01420	-.00060	.00000	55.00000	-4.94650	.02000	.00850	-.00980	.00850
.598	15.201	.04770	.01420	-.00060	.00000	55.00000	-4.93150	.02000	.00850	-.00980	.00850
.598	GRADIENT	.00731	.00000	-.00000	.00000	.00000	-.00593	-.00000	.00001	.00000	-.00001

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(C2F0A8) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPDBRK = 55.000 RUDDER = -5.000
 RN/L = 5.000

RUN NO. 580/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.801	-5.059	.07050	.01710	-.00350	.00970	55.00000	-.13210	.01430	-.00980	.00270
.799	-4.714	.09560	.01750	-.00810	.00970	55.00000	-4.92400	.01000	-.01470	-.00150
.796	.038	.08100	.01500	-.00560	.00970	55.00000	-.12310	.01000	-.00980	-.00150
.800	2.593	.08640	.01500	-.00560	.00000	55.00000	-4.90910	.01000	-.00980	-.00150
.800	5.142	.06680	.01290	-.00780	.00000	55.00000	-4.90910	.00580	-.00980	-.00580
.800	7.198	.09400	.01500	-.00560	.00000	55.00000	-4.91660	.01000	-.00980	-.00150
.798	8.227	.10610	.01500	-.00560	.00000	55.00000	-4.90910	.01000	-.00980	-.00150
.800	10.238	.12460	.01500	-.00560	.00000	55.00000	-4.90910	.01000	-.00980	-.00150
.800	12.275	.14170	.01500	-.00560	.00970	55.00000	-4.91660	.01000	-.00980	-.00150
.799	15.268	.17400	.01500	-.00560	.00970	55.00000	-4.91660	.01000	-.00980	-.00150
GRADIENT		-.00149	-.00037	.00037	-.00116	-.00000	.12962	-.00072	.00072	.00000

RUN NO. 564/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.901	-4.349	-.02560	.01500	-.00560	.00970	55.00000	-4.96150	.01000	-.00980	-.00150
.901	.833	.00310	.01500	-.00560	.01940	55.00000	-4.94650	.01000	-.00980	-.00150
.900	3.474	.00460	.01290	-.00780	.01940	55.00000	-4.94650	.00580	-.00980	-.00580
.902	6.033	.02850	.01500	-.00560	.01940	55.00000	-4.93900	.01000	-.00980	-.00150
.902	8.150	.02350	.01500	-.00560	.00970	55.00000	-4.93150	.01000	-.00980	-.00150
.899	9.146	.02320	.01500	-.00560	.00970	55.00000	-4.93900	.01000	-.00980	-.00150
.903	11.171	.02580	.01500	-.00560	.01940	55.00000	-4.94650	.01000	-.00980	-.00150
.901	13.188	.02370	.01500	-.00560	.01940	55.00000	-4.95400	.01000	-.00980	-.00150
.901	16.220	.05400	.01710	-.00350	.01940	55.00000	-4.96150	.01430	-.00980	-.00270
GRADIENT		.00409	-.00023	-.00024	.00133	-.00000	.00205	-.00046	.00000	-.00047

RUN NO. 561/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.951	-5.108	-.03650	.01290	-.00780	.00970	55.00000	-4.93900	.00580	-.00980	-.00580
.948	.070	-.00370	.01500	-.00560	.01940	55.00000	-4.93900	.01000	-.00980	-.00150
.949	2.460	.00370	.01500	-.00560	.01940	55.00000	-4.93900	.01000	-.00980	-.00150
.950	5.039	.03960	.01500	-.00560	.01940	55.00000	-4.93900	.01000	-.00980	-.00150
.950	7.116	.02600	.01500	-.00560	.01940	55.00000	-4.93900	.00580	-.00980	-.00580
.950	8.149	.02320	.01290	-.00780	.01940	55.00000	-4.93900	.00580	-.00980	-.00580
.950	10.201	.02230	.01290	-.00780	.00970	55.00000	-4.93900	.00580	-.00980	-.00580
.950	12.226	.02140	.01290	-.00780	.00970	55.00000	-4.93900	.00580	-.00980	-.00580
.950	15.248	.03310	.01290	-.00780	.01940	55.00000	-4.93900	.00580	-.00980	-.00580
GRADIENT		.00292	.00000	-.00000	.00000	.00000	-.00000	.00000	.00000	-.00000

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(C2F0A8) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BOFLAP = .000
SPOBRK = 55.000 RUDDER = -5.000
RN/L = 5.000

RUN NO. 548/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-08	AIL-08	ELV-18	AIL-18	AIL-08
1.201	-4.121	-.03400	.02500	-.00710	.00970	55.00000	-4.95400	.03000	-.00980	.02000	-.00980	-.00450
1.198	.920	.00140	.02000	-.00640	.00000	55.00000	-4.95400	.02000	-.00980	.02000	-.00980	-.00300
1.197	3.489	.00250	.02000	-.00640	.00000	55.00000	-4.95400	.02000	-.00980	.02000	-.00980	-.00300
1.197	6.139	.02540	.02290	-.00930	.00000	55.00000	-4.95400	.02580	-.00980	.02580	-.00980	-.00880
1.195	8.162	.01970	.01790	-.00850	.00000	55.00000	-4.94650	.01580	-.00980	.01580	-.00980	-.00730
1.197	9.173	.01830	.01500	-.00560	.01940	55.00000	-4.94650	.01000	-.00980	.01000	-.00980	-.00150
1.202	10.302	.02150	.02000	-.00640	.01940	55.00000	-4.93900	.02000	-.00980	.02000	-.00980	-.00300
1.190	12.258	.01660	.02000	-.00640	.01940	55.00000	-4.93900	.02000	-.00980	.02000	-.00980	-.00300
1.201	15.308	.01710	.01790	-.00850	.01940	55.00000	-4.93900	.01580	-.00980	.01580	-.00980	-.00730
	GRADIENT	.00511	-.00070	.00010	-.00135	.00000	-.00000	-.00141	.00000	-.00141	.00000	.00021

RUN NO. 532/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-08	AIL-08	ELV-18	AIL-18	AIL-08
1.297	-5.122	-.03750	.01300	.00150	.00000	55.00000	-5.32860	.01580	.01020	.01020	.01020	-.00730
1.300	-.086	.00060	.00830	-.00320	.00000	55.00000	-5.32860	.01150	.00510	.00510	.00510	-.01150
1.298	2.488	.00570	.00830	-.00320	.00000	55.00000	-5.45560	.01150	.00510	.00510	.00510	-.01150
1.298	5.125	.03360	.00830	-.00320	.00000	55.00000	-5.48880	.01150	.00510	.01150	.00510	-.01150
1.294	5.709	.03280	.00830	-.00320	-.01000	55.00000	-5.48880	.01150	.00510	.01150	.00510	-.01150
1.296	7.165	.02660	.00830	-.00320	.00000	55.00000	-5.47780	.01150	.00510	.01150	.00510	-.01150
1.296	8.157	.01870	.01080	-.00070	-.01000	55.00000	-5.46670	.01150	.01020	.01150	.01020	-.01150
1.295	10.201	.01880	.00830	-.00320	.00000	55.00000	-5.46670	.01150	.00510	.01150	.00510	-.01150
1.293	12.260	.02040	.00830	-.00320	.00000	55.00000	-5.46670	.01150	.00510	.01150	.00510	-.01150
1.294	15.291	.02170	.00580	-.00580	-.01000	55.00000	-5.46670	.01150	.00000	.01150	.00000	-.01150
	GRADIENT	.00198	.00000	.00000	.00000	.00000	-.04934	.00000	.00000	.00000	.00000	.00000

RUN NO. 515/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-08	AIL-08	ELV-18	AIL-18	AIL-08
1.404	-5.118	-.02690	.01750	-.00390	.00000	55.00000	-5.36600	.02000	-.00480	.01500	-.00480	-.00300
1.410	.107	.00460	.01290	-.00360	-.02000	55.00000	-5.36600	.01580	.00010	.01000	.00010	-.00730
1.404	2.643	.00580	.01540	-.00100	.00000	55.00000	-5.36600	.01580	.00520	.01000	.00520	-.00730
1.401	5.104	.03410	.01290	-.00360	.00000	55.00000	-5.36600	.01580	.00010	.01000	.00010	-.00730
1.401	7.150	.02390	.01080	-.00570	-.01000	55.00000	-5.35850	.01150	.00010	.01000	.00010	-.01150
1.400	8.172	.02050	.01080	-.00570	-.01000	55.00000	-5.35850	.01150	.00010	.01000	.00010	-.01150
1.398	10.241	.01890	.01290	-.00360	.00000	55.00000	-5.35850	.01580	.00010	.01000	.00010	-.00730
1.397	12.248	.01770	.01080	-.00570	.00000	55.00000	-5.35100	.01150	.00010	.01000	.00010	-.01150
1.392	15.282	.01900	.01290	-.00360	.00000	55.00000	-5.34350	.01580	.00010	.01000	.00010	-.00730
	GRADIENT	.00047	.00099	.00103	.00789	-.00000	.00000	.00000	.00201	.00000	.00201	.00000

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(C2F0A9) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPDBRK = 55.000 RUDDER = -5.000
 RN/L = 5.000

RUN NO. 587/ 0 RN/L = 4.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-08	AIL-08
.598	-6.022	5.12700	.01420	-.00060	.00000	55.00000	-4.90910	.00850	.00850
.598	-1.928	5.09980	.01420	-.00060	.00000	55.00000	-4.94650	.00850	.00850
.599	-.889	5.06390	.01710	-.00350	.00000	55.00000	-4.93900	.01430	.00270
.598	.031	5.00370	.01710	-.00350	.00000	55.00000	-4.95400	.01430	.00270
.598	.503	5.14800	.01710	-.00350	.00000	55.00000	-4.93900	.01430	.00270
.598	1.037	5.15900	.01420	-.00060	.00000	55.00000	-4.93900	.00850	.00850
.598	2.104	5.15900	.01670	-.00310	.00000	55.00000	-4.96900	.00850	.00850
.597	3.144	5.13910	.01460	-.00520	.00000	55.00000	-4.96150	.00430	.00430
.597	4.175	5.13630	.01960	-.00600	.00000	55.00000	-4.96150	.01430	.00270
.597	6.227	5.12400	.01750	-.00810	.00000	55.00000	-4.97650	.01000	.00150
	GRADIENT	.01376	.00036	-.00067	.00000	.00000	-.00391	-.00036	-.00025

RUN NO. 581/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-08	AIL-08
.797	-6.133	5.17990	.01500	-.00560	.00970	55.00000	-4.85670	.01000	.00150
.797	-2.024	5.17290	.01500	-.00560	.00000	55.00000	-4.88660	.01000	.00150
.799	-.993	5.14410	.01500	-.00560	.00000	55.00000	-4.90160	.01000	.00150
.799	.079	4.89040	.01500	-.00560	.00000	55.00000	-4.91660	.01000	.00150
.799	.521	5.10390	.01500	-.00560	.00970	55.00000	-4.94650	.01000	.00150
.798	1.036	5.16930	.01500	-.00560	.00000	55.00000	-4.95400	.01000	.00150
.799	2.111	5.17130	.01500	-.00560	.00000	55.00000	-4.95400	.01000	.00150
.799	3.155	5.15330	.01500	-.00560	.00000	55.00000	-4.98400	.01000	.00150
.800	4.186	5.15360	.01500	-.00560	.00000	55.00000	-4.98400	.01000	.00150
.801	6.365	5.01910	.01500	-.00560	.00000	55.00000	-5.01390	.01000	.00150
	GRADIENT	.01823	.00000	-.00000	-.00016	.00000	-.01679	.00000	.00000

RUN NO. 565/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-08	AIL-08
.901	-6.097	5.94970	.01500	-.00560	.00970	55.00000	-4.87910	.01000	.00150
.900	-1.960	6.05770	.01500	-.00560	.01940	55.00000	-4.94650	.01000	.00150
.900	-.926	6.01210	.01500	-.00560	.01940	55.00000	-4.96150	.01000	.00150
.901	.039	5.98860	.01500	-.00560	.01940	55.00000	-4.96900	.01000	.00150
.901	.506	6.02210	.01750	-.00810	.00970	55.00000	-4.96150	.01000	.00150
.900	1.039	6.08650	.01500	-.00560	.00970	55.00000	-4.97650	.01000	.00150
.899	2.110	6.11750	.01500	-.00560	.01940	55.00000	-4.97650	.01000	.00150
.899	3.165	6.12850	.01500	-.00560	.01940	55.00000	-4.99150	.01000	.00150
.898	4.224	6.12940	.01500	-.00560	.00970	55.00000	-4.98400	.01000	.00150
.898	6.299	6.12220	.01750	-.00810	.01940	55.00000	-4.94650	.01000	.00150
	GRADIENT	.02074	-.00004	.00004	-.00087	.00000	-.00635	.00000	.00000

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(C2F0A9) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

YMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 5.000
AILRON = .000
SPDBRK = 55.000
RN/L = 5.000
ELEVON = .000
BDFLAP = .000
RUDDER = -5.000

RUN NO. 557/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-08	AIL-18	AIL-08
.950	-6.112	4.96170	.01790	-.00850	.00970	55.00000	-4.93900	.01580	-.00980	-.00730
.951	-1.965	4.97050	.01790	-.00850	.00970	55.00000	-4.95400	.01580	-.00980	-.00730
.947	-.917	4.95870	.01500	-.00560	.00970	55.00000	-4.95400	.01000	-.00980	-.00150
.950	.157	4.99140	.01500	-.00560	.00970	55.00000	-4.95400	.01000	-.00980	-.00150
.949	.638	4.99320	.02000	-.00640	.00970	55.00000	-4.95400	.02000	-.00980	-.00300
.950	1.160	4.95950	.01710	-.00350	.00970	55.00000	-4.96150	.01430	-.00980	-.00270
.948	2.214	4.92860	.01960	-.00600	.00970	55.00000	-4.96150	.01430	-.00980	-.00270
.948	3.258	4.91010	.01710	-.00350	.00970	55.00000	-4.96150	.01430	-.00980	-.00270
.950	4.295	4.89740	.02250	-.00330	.00970	55.00000	-4.96150	.02000	-.00980	-.00300
.947	6.367	4.89430	.00014	.00075	.00064	.00000	-.00236	-.00004	-.00034	-.00184
	GRADIENT	-.01380								

RUN NO. 539/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-08	AIL-18	AIL-08
1.201	-6.113	5.22630	.01490	-.01070	.01940	55.00000	-5.02890	.01000	-.01980	-.00150
1.199	-1.946	5.19460	.01250	-.00740	.01940	55.00000	-5.05890	.00000	-.01470	.00000
1.199	-.910	5.18070	.01250	-.00740	.01940	55.00000	-4.93900	.00000	-.01470	.00000
1.193	.034	5.16640	.01280	-.01280	.01940	55.00000	-4.94650	.00070	-.01470	-.01080
1.201	.590	5.24590	.01960	-.00500	.01940	55.00000	-4.94650	.01430	-.01470	-.00270
1.199	1.075	5.29480	.01960	-.00500	.01940	55.00000	-4.95400	.01430	-.01470	-.00270
1.200	2.143	5.26970	.02170	-.00390	.01940	55.00000	-4.95400	.01850	-.01470	.00700
1.201	3.187	5.25470	.02380	-.00170	.01940	55.00000	-4.96150	.02280	-.01470	.01120
1.201	4.231	5.25800	.02340	-.00220	.01940	55.00000	-4.96150	.02700	-.01980	.01550
1.201	6.325	5.25930	.01920	-.00640	.01940	55.00000	-4.97650	.01850	-.01980	.00700
	GRADIENT	.01492	.00219	.00125	.00000	.00000	.00782	.00494	-.00054	.00303

RUN NO. 531/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-08	AIL-18	AIL-08
1.298	-6.075	5.08920	.00830	-.00320	.00000	55.00000	-5.40350	.01150	.00510	-.01150
1.300	-1.962	5.06590	.00830	-.00320	.00000	55.00000	-5.43350	.01150	.00510	-.01150
1.298	-.907	5.05150	.00830	-.00320	.00000	55.00000	-5.45560	.01150	.00510	-.01150
1.297	.169	5.09280	.00830	-.00320	.00000	55.00000	-5.48880	.01150	.00510	-.01150
1.298	.639	5.06190	.00830	-.00320	.00000	55.00000	-5.49990	.01150	.00510	-.01150
1.298	1.165	5.06040	.00830	-.00320	.00000	55.00000	-5.49990	.01150	.00510	-.01150
1.296	2.220	5.04030	.01250	.00100	.00000	55.00000	-5.52210	.02000	.00510	-.00300
1.298	3.264	5.02480	.00830	-.00320	.00000	55.00000	-5.55530	.01150	.00510	-.01150
1.296	4.303	5.01890	.00830	-.00320	.00000	55.00000	-5.59360	.01150	.00510	-.01150
1.294	6.377	4.99400	.00830	-.00320	.00000	55.00000	-5.34350	.01150	.00510	-.01150
	GRADIENT	-.00854	.00015	.00015	.00000	-.00000	-.02499	.00031	.00000	.00031

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OAI45 TABULATED FORCE DATA

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(CZF0A9) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 516/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-08	AIL-08	AIL-08
1.406	-6.112	5.13210	.01970	.00320	-.01000	55.00000	-5.35100	.02430	.00520	.00120
1.403	-1.961	5.12510	.01970	.00320	-.02000	55.00000	-5.41100	.02430	.00520	.00120
1.404	-.916	5.10890	.01720	.00570	-.02000	55.00000	-5.45560	.02430	.00520	.00120
1.403	.140	5.06510	.01970	.00320	-.02000	55.00000	-5.47780	.02430	.00520	.00120
1.402	.677	5.13710	.01970	.00320	-.02000	55.00000	-5.47780	.02430	.00520	.00120
1.403	1.175	5.11290	.01720	.00570	-.02000	55.00000	-5.51100	.02430	.00520	.00120
1.403	2.223	5.09000	.01720	.00570	-.02000	55.00000	-5.55530	.02430	.00520	.00120
1.404	3.265	5.07100	.02180	.00540	.00000	55.00000	-5.58950	.02850	.00550	.00970
1.402	4.316	5.06040	.02150	.01000	.00000	55.00000	-5.63280	.03280	.01020	.00970
1.400	6.407	5.03420	.01300	.00150	-.01000	55.00000	-5.33600	.01560	.01020	-.00730
..	GRADIENT	-.00898	.00040	.00079	.00419	.00000	-.03479	.00118	.00038	.00118

PARAMETRIC DATA

ALPHA = .000
 AILRON = .000
 SPDBRK = 55.000
 RUDDER = 5.000
 ELEVON = .000
 BDFLAP = .000
 RUDDER = -5.000

AMES 118-1-11 OAI45A 01

(CZF080) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 588/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-08	AIL-08	AIL-08
.598	-5.996	5.11360	.01670	-.00310	.00000	55.00000	-22.73100	.00850	-.01470	.00850
.598	-1.902	5.08310	.01750	-.00810	.00000	55.00000	-22.73900	.01000	-.01470	-.00150
.597	-.865	5.04850	.01750	-.00810	.00000	55.00000	-22.73100	.01000	-.01470	-.00150
.599	.043	5.00020	.01750	-.00810	.00000	55.00000	-22.73900	.01000	-.01470	-.00150
.598	.528	5.15740	.01750	-.00810	.00000	55.00000	-22.73900	.01000	-.01470	-.00150
.598	1.061	5.17880	.01750	-.00810	.00000	55.00000	-22.73900	.01000	-.01470	-.00150
.598	2.130	5.17930	.01750	-.00810	.00000	55.00000	-22.73900	.01000	-.01470	-.00150
.598	3.170	5.16200	.01750	-.00810	.00000	55.00000	-22.73900	.01000	-.01470	-.00150
.598	4.193	5.15720	.01750	-.00810	.00000	55.00000	-22.73900	.01000	-.01470	-.00150
.598	6.244	5.14590	.01750	-.00810	.00000	55.00000	-22.73900	.01000	-.01470	-.00150
.596	GRADIENT	.02115	.00000	-.00000	.00000	.00000	-.00052	.00000	-.00000	-.00000

PARAMETRIC DATA

ALPHA = .000
 AILRON = .000
 SPDBRK = 55.000
 RUDDER = -22.800
 ELEVON = .000
 BDFLAP = .000

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(CFP080) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 55.000 RUDDER = -22.800
 RN/L = 5.000

RUN NO. 566/ 0 RN/L = 4.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-08	AIL-08	AIL-18
.900	-6.112	4.91820	.01500	-.00560	.01940	55.00000	-22.76400	.01000	-.00980	-.00150
.900	-1.916	4.89650	.01500	-.00560	.00970	55.00000	-22.76400	.01000	-.00980	-.00150
.900	-.870	4.88540	.01750	-.00810	.00970	55.00000	-22.77200	.01000	-.01470	-.00150
.900	.189	4.91950	.01750	-.00810	.01940	55.00000	-22.75600	.01000	-.01470	-.00150
.900	.673	4.90490	.01750	-.00810	.00970	55.00000	-22.73100	.01000	-.01470	-.00150
.900	1.193	4.89050	.01750	-.00810	.01940	55.00000	-22.73100	.01000	-.01470	-.00150
.900	2.244	4.86780	.01990	-.01060	.01940	55.00000	-22.73900	.01000	-.01970	-.00150
.898	3.286	4.84800	.01990	-.01060	.00990	55.00000	-22.73900	.01000	-.01970	-.00150
.898	4.323	4.83420	.01990	-.01060	.01940	55.00000	-22.73900	.01000	-.01970	-.00150
.895	6.391	4.79960	.02210	-.00850	.01940	55.00000	-22.73900	.01430	-.01970	-.00270
	GRADIENT	-.01109	.00076	-.00078	.00176	-.00000	.00511	.00000	-.00155	-.00000

RUN NO. 540/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-08	AIL-08	AIL-18
1.201	-6.095	5.24100	.01280	-.01280	.01940	55.00000	-22.75600	.00580	-.01980	-.00580
1.202	-1.922	5.21050	.01490	-.01070	.01940	55.00000	-22.76400	.01000	-.01980	-.00150
1.202	-.885	5.19410	.01490	-.01070	.01940	55.00000	-22.76400	.01000	-.01980	-.00150
1.203	.041	5.14800	.01490	-.01070	.01940	55.00000	-22.70700	.01000	-.01980	-.00150
1.203	.604	5.31460	.01490	-.01070	.01940	55.00000	-22.70700	.01000	-.01980	-.00150
1.202	1.099	5.27020	.01490	-.01070	.01940	55.00000	-22.73900	.01000	-.01980	-.00150
1.201	2.161	5.23340	.01960	-.00600	.01940	55.00000	-22.73900	.01430	-.01470	-.00270
1.203	3.201	5.22870	.02600	.00040	.01940	55.00000	-22.73900	.02700	-.01470	.01550
1.203	4.243	5.23330	.02950	.00960	.01940	55.00000	-22.74700	.03400	-.01470	.03400
1.199	6.336	5.23510	.01420	-.00570	.01940	55.00000	-22.74700	.00850	-.01980	.00850
	GRADIENT	.00623	.00252	.00312	.00000	.00000	.00169	.00393	.00109	.00514

RUN NO. 517/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-08	AIL-08	AIL-18
1.403	-6.102	5.07470	.01000	-.00150	.00000	55.00000	-22.82900	.02000	.00000	-.00300
1.404	-1.942	5.05870	.01000	-.00150	.00000	55.00000	-22.82900	.02000	.00000	-.00300
1.404	-.895	5.04560	.01250	-.00400	.00000	55.00000	-22.82900	.02000	-.00500	-.00300
1.404	.180	5.08290	.01250	-.00400	.00000	55.00000	-22.82900	.02000	-.00500	-.00300
1.404	.661	5.07270	.01250	-.00400	.00000	55.00000	-22.82900	.02000	-.00500	-.00300
1.402	1.182	5.05930	.01000	-.00150	.00000	55.00000	-22.82900	.02000	.00000	-.00300
1.402	2.233	5.03630	.01250	-.00400	.00000	55.00000	-22.82900	.02000	-.00500	-.00300
1.402	3.281	5.02210	.01460	-.00190	.00000	55.00000	-22.82900	.02430	-.00500	-.00120
1.402	4.328	5.01040	.01670	.00030	.00000	55.00000	-22.83700	.02850	-.00500	.00550
1.402	6.414	4.98400	.02780	.01130	.00000	55.00000	-22.83700	.04550	.00010	.02250
	GRADIENT	-.00842	.00083	.00035	.00000	.00000	-.00083	.00119	-.00049	.00118

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OAI45 TABULATED FORCE DATA

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(C2F081) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPOBRK = 70.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 753/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.597	-5.037	-.03030	.00500	-.00500	.00000	70.00000	-.11640	.00000	-.00990	.00000
.600	-.088	.00000	.00500	-.00500	.00000	70.00000	-.11640	.00000	-.00990	.00000
.599	2.394	.00240	.00500	-.00500	.00000	70.00000	-.11640	.00000	-.00990	.00000
.597	4.864	.03440	.00500	-.00500	.00000	70.00000	-.11640	.00000	-.00990	.00000
.598	6.938	.03150	.00500	-.00500	.00000	70.00000	-.11640	.00000	-.00990	.00000
.597	7.964	.02700	.00500	-.00500	.00000	70.00000	-.10960	.00000	-.00990	.00000
.596	10.010	.03250	.00500	-.00500	.04850	70.00000	-.11640	.00000	-.00990	.00000
.595	12.050	.03470	.00500	-.00500	.00000	70.00000	-.10960	.00000	-.00990	.00000
.597	15.054	.04520	.00500	-.00500	.00000	70.00000	-.11640	.00000	-.00990	.00000
	GRADIENT	.00694	-.00000	.00000	.00000	-.00000	.00000	.00000	.00000	.00000

RUN NO. 752/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.799	-5.078	-.03600	.00500	-.00500	.00000	70.00000	-.10290	.00000	-.00990	.00000
.803	-.271	-.00240	.00500	-.00500	.00000	70.00000	-.10290	.00000	-.00990	.00000
.800	2.417	.00220	.00500	-.00500	.00000	70.00000	-.11640	.00000	-.00990	.00000
.798	4.893	.03350	.00500	-.00500	.00000	70.00000	-.10290	.00000	-.00990	.00000
.798	6.970	.02820	.00500	-.00500	.00000	70.00000	-.10290	.00000	-.00990	.00000
.798	8.022	.01900	-.00010	-.01000	.00000	70.00000	-.10960	.00000	-.00990	-.01010
.798	10.044	.02490	.00500	-.00500	.00000	70.00000	-.10960	.00000	-.00990	.00000
.799	12.085	.03600	.00500	-.00500	.00000	70.00000	-.10960	.00000	-.00990	.00000
.799	15.069	.03480	.00500	-.00500	.00000	70.00000	-.11640	.00000	-.00990	.00000
	GRADIENT	.00688	-.00000	.00000	.00000	-.00000	-.00007	.00000	.00000	.00000

RUN NO. 748/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.900	-5.085	-.03850	.01580	-.00560	.00970	70.00000	-.09620	.01150	.00030	.01150
.901	-.083	-.00180	.01580	-.00560	.01940	70.00000	-.09620	.01150	.00030	.01150
.900	2.424	.00330	.01580	-.00560	.01940	70.00000	-.08940	.01150	.00030	.01150
.899	5.029	.03150	.01580	-.00560	.00970	70.00000	-.08940	.01150	.00030	.01150
.898	5.672	.03210	.01580	-.00560	.01940	70.00000	-.08940	.01150	.00030	.01150
.900	7.021	.02230	.01580	-.00560	.00970	70.00000	-.08270	.01150	.00030	.01150
.900	8.079	.02510	.01040	-.00530	.00970	70.00000	-.08940	.00070	.00030	.01080
.902	10.127	.02400	.01850	.00860	.00970	70.00000	-.09620	.01700	.00030	.01700
.898	15.089	.03120	.02180	.00030	.00970	70.00000	-.09620	.02850	-.00480	.00550
	GRADIENT	.00203	-.00000	.00000	.00000	.00000	.00271	.00000	.00000	.00000

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0A145 TABULATED FORCE DATA

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(C2F081) (08 JUL 77)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1075.6800	IN. X0	BETA	=	.000	ELEVON	=	.000
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. Y0	AILRON	=	.000	BDFLAP	=	.000
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. Z0	SPDBRK	=	70.000	RUDDER	=	.000
SCALE	=	.0500						RN/L	=	5.000			

PARAMETRIC DATA

MACH	ALPHA	BETA	ELEVON	AILIRON	BDFLAP	SPOBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
	-5.076	-0.3640	.02330	-.00800	.01940	70.00000	-.09620	.03510	.01150	-.00450	-.01150
.951		-	.02050	-.00090	.01940	70.00000	-.09620	.02520	.01580	-.00340	-.00730
.951	-.060	.00150	.02580	-.00630	.00970	70.00000	-.09620	.03010	.02150	.00040	-.01300
.952	2.508	.00990	.02580	-.00630	.00970	70.00000	-.09620	.03010	.02150	.00040	-.01300
.952	5.067	.03550	.02580	-.00630	.00970	70.00000	-.09620	.03010	.02150	.00040	-.01300
.949	7.105	.02070	.02010	-.00050	.00970	70.00000	-.09620	.03010	.02150	.00040	-.01300
.950	8.145	.01610	.01720	.00230	.00970	70.00000	-.09620	.03010	.02150	.00040	-.01300
.950	10.190	.01350	.02080	-.00550	.00970	70.00000	-.08270	.03010	.01150	.00040	-.01150
.953	12.219	.01620	.01790	-.00270	.01940	70.00000	-.08270	.03010	.00580	.00040	-.00580
.952	15.255	.02030	.01540	-.00520	.01940	70.00000	-.09620	.02500	.00580	-.00470	-.00580
		.00306	.00306	-.00210	-.00378	-.00000	-.00000	.00191	.00222	-.00195	-.00222

MACH	ALPHA	BETA	RUN NO.	742/ 0	RN/L =	5.01	GRADIENT INTERVAL =	-5.00/	5.00	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.201	-5.069	-.04850		ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER		.00510	.01730	.00510	-.01730
1.198	-.067	-.00960		.01120	-.00610	.01940	70.00000	-.11640		.00000	.01150	.00000	-.01150
1.198	2.495	.01180		.00580	.00580	.01940	70.00000	-.11640		.00000	.01150	.00000	-.01150
1.198	5.112	.03090		.00580	.00580	.01940	70.00000	-.11640		.00000	.01150	.00000	-.01150
1.199	7.154	.01610		.00580	.00580	.01940	70.00000	-.11640		.00000	.01150	.00000	-.01150
1.199	8.151	.01670		.00290	.00290	.01940	70.00000	-.11640		.00000	.01150	.00000	-.01150
1.199	10.197	.01910		.00070	.00070	.01940	70.00000	-.11640		.01010	.01150	.01010	-.01150
1.199	12.207	.01180		-.00150	.00150	.01940	70.00000	-.11640		-.02020	.01730	.02020	-.01730
1.199	15.232	.01620		.02040	-.00600	.01940	70.00000	-.11640		-.00470	.01580	-.00470	-.01580
1.201	GRADIENT	.00835		.00000	.00000	.00000	.00000	.00000		.00000	.00000	.00000	.00000

MACH	ALPHA	BETA	RUN NO.	735/ 0	RN/L =	5.02	GRADIENT INTERVAL =	-5.00/	5.00	ELV-1B	ELV-0B	A1L-1B	A1L-0B
1.400	-5.075	.66830		.01250	.01040	.00970	70.00000	-.08270	-.00500	.03000	.00450	.02530	-.00450
1.400	-.026	-.03070		.01750	-.00390	.00970	70.00000	-.08270	.01500	.02000	-.00300	-.00480	-.00300
1.404	.397	-.0210		.01750	-.00390	.00970	70.00000	-.08940	.01500	.02000	-.00300	-.00480	-.00300
1.404	2.487	-.01610		.01750	-.00390	.00970	70.00000	-.08270	.01500	.02000	-.00300	-.00480	-.00300
1.402	.02950	.01500		.01500	-.00140	.00970	70.00000	-.08270	.01000	.02000	-.00300	.00010	-.00300
1.399	5.073	.01210		.01500	-.00140	.00970	70.00000	-.08270	.01000	.02000	-.00300	.00010	-.00300
1.399	7.115	.01250		.01250	.00100	.00970	70.00000	-.08940	.00510	.02000	-.00300	.00510	-.00300
1.399	8.148	.00750		.01250	.00100	.00970	70.00000	-.08270	.00510	.02000	-.00300	.00510	-.00300
1.400	10.206	.00630		.01400	-.00140	.00970	70.00000	-.08270	.01000	.02000	-.00300	.00510	-.00300
1.397	12.194	.00300		.01040	-.00110	.00970	70.00000	-.08270	.00510	.02000	-.00300	.00510	-.00300
1.397	15.258	.00110		.00000	.00000	.00000	70.00000	.00103	.00000	.00000	-.00000	.00000	-.00000
1.397	GRADIENT	.00487		.00000	.00000	.00000	.00000	.00103	.00000	.00000	-.00000	.00000	-.00000

GRADIENT

OAI45 TABULATED FORCE DATA

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(C2F082) (08 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPOBRK = 70.000 RUDDER = 5.000
RN/L =

RUN NO. 754/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-08	AIL-08
.599	-6.027	5.01930	.00710	-.00280	.00000	70.00000	-.09620	.00430	.00430
.598	-1.921	5.00340	.00710	-.00280	.00000	70.00000	-.10960	.00430	.00430
.598	-.885	4.97780	.00710	-.00280	.00000	70.00000	-.11640	.00430	.00430
.599	.111	4.86650	.00710	-.00280	.00000	70.00000	-.11640	.00430	.00430
.597	.613	4.99560	.00710	-.00280	.00000	70.00000	-.12310	.00430	.00430
.598	1.131	5.02190	.00710	-.00280	.00000	70.00000	-.11640	.00430	.00430
.598	2.176	5.00030	.00710	-.00280	.00000	70.00000	-.11640	.00430	.00430
.598	3.211	4.98300	.00710	-.00280	.00000	70.00000	-.12310	.00430	.00430
.597	4.243	4.96740	.00710	-.00280	.00000	70.00000	-.12310	.00430	.00430
.597	6.312	4.93500	.00710	-.00280	.00000	70.00000	-.12310	.00430	.00430
	GRADIENT	.00683	.00000	-.00000	.00000	.00000	-.00177	.00000	.00000

RUN NO. 751/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-08	AIL-08
.800	-6.065	5.02920	.00710	-.00280	.00000	70.00000	-.10960	.00430	.00430
.799	-1.946	5.01740	.00710	-.00280	.00000	70.00000	-.11640	.00430	.00430
.800	-.905	4.99900	.00710	-.00280	.00000	70.00000	-.11640	.00430	.00430
.799	.118	4.81250	.00710	-.00280	.00000	70.00000	-.12310	.00430	.00430
.799	.639	5.00340	.00710	-.00280	.00000	70.00000	-.12310	.00430	.00430
.799	1.159	5.03800	.00710	-.00280	.00000	70.00000	-.10290	.00430	.00430
.799	2.195	5.01780	.00710	-.00280	.00000	70.00000	-.10960	.00430	.00430
.798	3.240	5.00150	.00710	-.00280	.00000	70.00000	-.10960	.00430	.00430
.799	4.277	4.98530	.00710	-.00280	.00000	70.00000	-.12310	.00430	.00430
.797	6.353	4.95140	.00710	-.00280	.00000	70.00000	-.10290	.00430	.00430
	GRADIENT	.00361	.00000	-.00000	.00000	.00000	.00037	.00000	.00000

RUN NO. 749/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-08	AIL-08
.901	-6.087	5.03960	.01000	-.00570	.00970	70.00000	-.12310	.01000	.00150
.901	-1.955	5.03050	.01000	-.00570	.00970	70.00000	-.14110	.01000	.00150
.900	-.906	5.01590	.01000	-.00570	.00970	70.00000	-.15000	.01000	.00150
.901	.125	4.89300	.00750	-.00320	.00970	70.00000	-.15900	.01000	.00150
.902	.653	5.06000	.01000	-.00570	.00970	70.00000	-.15000	.01000	.00150
.902	1.165	5.04500	.01000	-.00570	.00970	70.00000	-.15000	.01000	.00150
.902	2.210	5.02510	.01000	-.00570	.00970	70.00000	-.11640	.01000	.00150
.901	3.258	5.00950	.01000	-.00570	.00970	70.00000	-.12310	.01000	.00150
.899	4.297	4.99260	.01000	-.00570	.00970	70.00000	-.12310	.01000	.00150
.898	6.375	4.95930	.01000	-.00570	.00970	70.00000	-.15000	.01000	.00150
	GRADIENT	-.00067	.00008	-.00008	-.00097	.00000	.00530	.00000	-.00016

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(C2F082) (08 JUL 77)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN. X.
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. Y.
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. Z.
SCALE	=	.0500					

PARAMETRIC DATA

ALPHA	=	5.000	ELEVON	=	.000
AILRON	=	.000	BDFLAP	=	.000
SPOBRK	=	70.000	RUDDER	=	.000
RN/L	=	5.000			

[illegible]

MACH	BETA	ALPHA	RUN NO.	741/ 0	RN/L =	5.04	GRADIENT INTERVAL =	-5.00/	5.00	ELV-1B	RUDDER	ELV-1B	ELV-0B	A1L-1B	A1L-0B
1.201	-6.095	5.09120								.00830	.01940	.00510	.01150	.00510	.01150
1.199	-1.954	5.06700								.01040	.01940	.00510	.01580	.00510	.00730
1.199		5.05310								.00750	.01940	.00510	.01000	.00510	.00150
1.198	.147	5.09080								.00750	.01940	.00510	.01000	.00510	.00150
1.199	.625	5.07450								.00750	.01940	.00510	.01000	.00510	.00150
1.201	1.147	5.03830								.00970	.01940	.00510	.01430	.00510	.00270
1.199	2.202	5.02010								.00710	.01940	.00000	.01430	.00000	.00270
1.198	3.253	5.00530								.00290	.01940	.00000	.00580	.00000	.00580
1.197	4.296	4.99490								.00290	.01940	.00000	.00580	.00000	.00580
1.198	6.366	4.97630								.00500	.01940	.00000	.01000	.00000	.00150
	GRADIENT									-.00111	.00000	-.00108	-.00115	-.00108	-.00001

MACH	BETA	ALPHA	ELEVON	ATLIRON	BOFLAP	SPDBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.403	-6.144	5.06020	.02500	-.00210	.01940	70.00000	-.12310	.02010	.03000	.00030	-.00450
1.406	-1.981	5.03330	.02500	-.00210	.01940	70.00000	-.12310	.02010	.03000	.00030	-.00450
1.406	-.920	5.01910	.02250	-.00470	.01940	70.00000	-.12310	.01500	.03000	-.00480	-.00450
1.404	.143	5.06900	.02500	-.00210	.01940	70.00000	-.13210	.02010	.03000	-.00450	-.00450
1.403	.623	5.00300	.02250	-.00470	.01940	70.00000	-.13210	.01500	.03000	-.00480	-.00450
1.402	1.159	5.00380	.02460	-.00250	.01940	70.00000	-.13210	.01500	.03430	-.00480	-.00030
1.402	2.215	5.00130	.02250	-.00470	.01940	70.00000	-.13210	.01500	.03000	-.00450	-.00450
1.403	3.273	4.98640	.01960	-.00180	.01940	70.00000	-.14110	.01500	.02430	-.00480	.00120
1.402	4.323	4.97680	.01740	.00820	.01940	70.00000	-.14110	.00510	.02430	.01520	.00120
1.402	6.399	4.95760	.02670	-.00460	.01940	70.00000	-.13210	.02490	.02850	-.01470	.00550
1.400	GRADIENT	-.01003	-.00133	.00120	.00000	.00000	-.00304	-.00169	-.00098	.00141	.00100

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OAI145 TABULATED FORCE DATA

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AMES 118-1-11 OAI145A 01

(C2F083) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPDBRK = 70.000
 RN/L = 5.000

RUN NO. 756/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-08	AIL-08	AIL-08
.597	-14.970	4.88990	.03830	.00710	-.00280	.00000	70.00000	.00430	-.00990	.00430
.598	-10.754	4.89030	.03500	.00710	-.00280	.00000	70.00000	.00430	-.00990	.00430
.598	-4.939	4.89100	.03040	.00710	-.00280	.00000	70.00000	.00430	-.00990	.00430
.598	-2.442	4.89230	.02770	.00710	-.00280	.00000	70.00000	.00430	-.00990	.00430
.598	-.110	4.89240	.02570	.00710	-.00280	.00000	70.00000	.00430	-.00990	.00430
.597	2.522	4.89300	.02310	.00710	-.00280	.00000	70.00000	.00430	-.00990	.00430
.598	5.014	4.89400	.02040	.00710	-.00280	.00000	70.00000	.00430	-.00990	.00430
.598	10.027	4.89420	.01620	.00710	-.00280	.00000	70.00000	.00430	-.00990	.00430
.598	15.014	4.89460	.01260	.00710	-.00280	.00000	70.00000	.00430	-.00990	.00430
.598	18.134	4.89460	.01060	.00710	-.00280	.00000	70.00000	.00430	-.00990	.00430
	GRADIENT	.00025	-.00097	.00000	.00000	.00000	.00000	-.00000	.00000	-.00000

RUN NO. 747/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-08	AIL-08	AIL-08
.902	-14.993	4.90200	.16440	.01790	-.00350	.00970	70.00000	.01580	.00030	.00730
.901	-10.754	4.90050	.15150	.01500	-.00060	.01940	70.00000	.01000	.00030	.00150
.901	-4.954	4.90200	.13760	.01790	-.00350	.00970	70.00000	.01580	.00030	.00730
.900	-2.434	4.90100	.13160	.01790	-.00350	.00970	70.00000	.01580	.00030	.00730
.901	-.096	4.90090	.12660	.01790	-.00350	.01940	70.00000	.01580	.00030	.00730
.901	2.505	4.90440	.11860	.01790	-.00350	.00970	70.00000	.01580	.00030	.00730
.901	5.024	4.90330	.11230	.01790	-.00350	.00970	70.00000	.01580	.00030	.00730
.901	10.011	4.90550	.09940	.01790	-.00350	.00970	70.00000	.01580	.00030	.00730
.901	15.022	4.90610	.09920	.01580	-.00560	.00970	70.00000	.01150	.00030	.00150
.901	18.125	4.90750	.08360	.01580	-.00560	.00970	70.00000	.01150	.00030	.00150
	GRADIENT	.00029	-.00251	.00000	-.00000	.00036	.00000	.00000	.00000	.00000

RUN NO. 746/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-08	AIL-08	AIL-08
.951	-14.976	4.97300	.16840	.01750	-.00310	.00970	70.00000	.01000	-.00470	.00150
.951	-10.736	4.97240	.15540	.01960	-.00100	.01940	70.00000	.01430	-.00470	.00270
.952	-4.961	4.97620	.14060	.01750	-.00310	.00970	70.00000	.01000	-.00470	.00150
.951	-2.434	4.97790	.13330	.02040	-.00600	.00970	70.00000	.01580	-.00470	.00730
.951	-.103	4.97630	.12840	.02250	-.00380	.00970	70.00000	.02000	-.00470	.00300
.951	2.496	4.97690	.11960	.02250	-.00380	.00970	70.00000	.02000	-.00470	.00300
.951	5.033	4.98050	.11090	.01960	-.00100	.00970	70.00000	.01430	-.00470	.00270
.952	10.019	4.98460	.09770	.02250	-.00380	.00970	70.00000	.02000	-.00470	.00300
.952	15.022	4.98300	.08510	.02250	-.00380	.00970	70.00000	.02000	-.00470	.00300
.950	18.134	4.97980	.07950	.02250	-.00380	.00970	70.00000	.02000	-.00470	.00300
	GRADIENT	.00005	-.00275	.00069	.00000	.00000	.00000	.00138	.00000	-.00002

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0A145 TABULATED FORCE DATA

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(C2F083) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA =
ELEVON =
BDFLAP =
RN/L =

BETA =
AILRON =
SPDBRK =
RN/L =

5.000
.000
.000
5.000

5.000
.000
.000
5.000

RUN NO. 739/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.199	-14.965	5.08990	.04230	.00820	-.00820	.01940	70.00000	.00500	.01150	-.00500	-.01150
1.199	-10.754	5.09350	.04030	.00580	-.00580	.01940	70.00000	.00000	.01150	.00000	-.01150
1.199	-4.961	5.09420	.03660	.00580	-.00580	.00970	70.00000	.00000	.01150	.00000	-.01150
1.199	-2.434	5.09750	.03410	.00580	-.00580	.01940	70.00000	.00000	.01150	.00000	-.01150
1.200	-.089	5.09690	.03180	.00580	-.00580	.01940	70.00000	.00000	.01150	.01010	-.01150
1.200	2.513	5.09740	.02890	.00580	-.00070	.00970	70.00000	.00000	.01150	.01010	-.01150
1.199	5.024	5.09690	.02670	.00580	-.00320	.00970	70.00000	-.00510	.01150	.00000	-.01150
1.200	10.011	5.09960	.02320	.00320	-.00530	.00970	70.00000	.00000	.01150	.00000	-.01150
1.199	15.022	5.09960	.02120	.00580	-.00320	.00970	70.00000	.00510	.01150	.00510	-.01150
1.201	18.116	5.10070	.02030	.00830	-.00320	.01940	70.00000	.00510	.01150	.00510	-.01150
	GRADIENT	.00037	-.00103	.00000	.00062	-.00001	.00000	.00000	.00000	.00124	-.00000

RUN NO. 738/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.404	-14.970	5.07650	.03810	.00790	-.00360	.01940	70.00000	.00000	.01580	.00000	-.00730
1.403	-10.762	5.07880	.03650	.01210	.00060	.01940	70.00000	.00000	.02430	.00000	.00120
1.403	-4.924	5.08020	.03310	.01710	-.00430	.00970	70.00000	.00990	.02430	-.00990	.00120
1.403	-2.434	5.08120	.03100	.01710	-.00430	.01940	70.00000	.00990	.02430	-.00990	.00120
1.404	-.116	5.08180	.03000	.01710	-.00430	.00970	70.00000	.00990	.02430	-.00990	.00120
1.402	2.513	5.08260	.02710	.01920	-.00220	.01940	70.00000	.00990	.02850	-.00990	.00550
1.404	5.005	5.08120	.02500	.01920	-.00220	.01940	70.00000	.00990	.02850	-.00990	.00550
1.404	10.011	5.08220	.02230	.01920	-.00220	.01940	70.00000	.00500	.03280	-.00500	.00970
1.403	14.785	5.08200	.02040	.01890	-.00240	.01940	70.00000	.00500	.02430	-.00500	.00120
1.403	18.107	5.08180	.01930	.01460	-.00190	.01940	70.00000	.00500	.02430	-.00500	.00120
1.404	GRADIENT	.00032	-.00077	.00000	.00000	-.00002	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

ALPHA =
AILRON =
SPOBRK =
RN/L =

5.000 ELEVON = .000
.000 BDFLAP = .000
70.000 RUDDER = -5.000
5.000

PARAMETRIC DATA

RUN NO. 755/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-08	AIL-08
.597	-6.047	5.07950	.00710	-.00280	.00000	70.00000	-4.94650	.00430	.00430
.597	-1.913	5.04580	.00710	-.00280	.00000	70.00000	-4.95400	.00430	.00430
.597	-.877	5.01480	.00710	-.00280	.00000	70.00000	-4.96150	.00430	.00430
.598	.120	4.70130	.00710	-.00280	.00000	70.00000	-4.96150	.00430	.00430
.598	.618	4.99320	.00710	-.00280	.00000	70.00000	-4.96150	.00430	.00430
.597	1.134	5.03840	.00710	-.00280	.00000	70.00000	-4.96900	.00430	.00430
.597	2.181	5.01860	.00710	-.00280	.00000	70.00000	-4.97650	.00430	.00430
.597	3.214	4.99960	.00710	-.00280	.00000	70.00000	-4.97650	.00430	.00430
.597	4.250	4.98200	.00710	-.00280	.00000	70.00000	-4.94650	.00430	.00430
.597	6.315	4.94900	.00710	-.00280	.00000	70.00000	-.00371	.00000	.00000
.597	GRADIENT	.00305	.00000	-.00000	.00000	.00000			

RUN NO. 750/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-08	AIL-08
.902	-6.080	5.04580	.00500	-.00500	.00970	70.00000	-4.95400	.00000	.00000
.903	-1.943	5.03700	.00500	-.00500	.00970	70.00000	-4.97650	.00000	.00000
.900	-.900	5.01910	.00500	-.00500	.00000	70.00000	-4.95400	.00000	.00000
.902	.156	4.89090	.00500	-.00500	.00970	70.00000	-4.95400	.00000	.00000
.899	.677	5.01770	.00500	-.00500	.00000	70.00000	-4.94650	.00000	.00000
.902	1.181	5.05080	.00710	-.00280	.00970	70.00000	-4.96150	.00430	.00430
.900	2.221	5.02880	.00710	-.00280	.00000	70.00000	-4.96900	.00430	.00430
.901	3.264	5.01780	.00710	-.00280	.00000	70.00000	-4.97650	.00430	.00430
.900	4.303	5.00390	.00710	-.00280	.00000	70.00000	-4.98400	.00430	.00430
.898	6.381	4.96500	.00710	-.00280	.00000	70.00000	-.00003	.00091	.00091
.898	GRADIENT	.00101	.00045	.00047	-.00126	.00000			

RUN NO. 745/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-08	AIL-08
.950	-6.095	5.19210	.01830	-.00810	.00970	70.00000	-4.93900	.01150	-.01150
.952	-1.962	5.19700	.01830	-.00810	.00970	70.00000	-4.96900	.01150	-.01150
.951	-.924	5.17770	.02040	-.00600	.00970	70.00000	-4.96900	.01580	-.00730
.951	.150	4.95580	.02040	-.00600	.00970	70.00000	-4.96900	.01580	-.00730
.952	.627	4.93620	.02040	-.00600	.00970	70.00000	-4.96900	.01000	-.00150
.951	1.155	4.92230	.01750	-.00310	.00970	70.00000	-4.97650	.01000	-.00150
.951	2.211	4.92050	.01750	-.00310	.00970	70.00000	-4.94650	.01000	-.00150
.950	3.255	4.90610	.01750	-.00310	.00970	70.00000	-4.95400	.01000	-.00150
.950	4.292	4.89120	.01750	-.00310	.00970	70.00000	-4.96150	.01000	-.00150
.947	6.365	4.85070	.01750	-.00310	.00970	70.00000	-.00287	-.00080	-.00165
.947	GRADIENT	-.04998	-.00041	.00083	.00000	.00000			

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

(C2F0B4) (08 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 70.000 RUDDER = -5.000
RN/L = 5.000

RUN NO. 740/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
1.201	-6.121	5.10110	.01790	-.00850	.00970	70.00000	-4.95400	.02000	.01580	-.00980	-.00730
1.200	-1.949	5.06810	.02490	-.01130	.00970	70.00000	-4.95400	.02990	.02000	-.01970	-.00300
1.200	-.897	5.05510	.02250	-.00890	.00970	70.00000	-4.95400	.02490	.02000	-.01470	-.00300
1.198	.154	5.09680	.02250	-.00890	.00970	70.00000	-4.95400	.02490	.02000	-.01470	-.00300
1.199	.628	5.05890	.01960	-.00600	.00970	70.00000	-4.95400	.02490	.01430	-.01470	-.00270
1.200	1.159	5.06000	.01960	-.00600	.00970	70.00000	-4.95400	.02490	.01430	-.01470	-.00270
1.199	2.208	5.04240	.01700	-.00850	.00970	70.00000	-4.95400	.01980	.01430	-.01980	-.00700
1.199	3.257	5.02700	.01920	-.00640	.00970	70.00000	-4.95400	.01980	.01850	-.01980	-.00580
1.199	4.304	5.01520	.01530	-.01530	.00970	70.00000	-4.96150	.02480	.01000	-.02480	-.00150
1.197	6.372	4.99490	.02740	-.01800	.00970	70.00000	-4.96900	.04470	.01000	-.03450	-.00054
	GRADIENT	-.00926	-.00138	-.00028	.00000	.00000	-.00078	-.00105	-.00172	-.00110	

RUN NO. 737/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
1.400	-6.137	5.07110	.02250	-.00380	.00970	70.00000	-4.96150	.02500	.02000	-.00470	-.00300
1.406	-1.989	5.04580	.02250	-.00380	.00970	70.00000	-4.98400	.02500	.02000	-.00470	-.00300
1.404	-.928	5.03210	.02000	-.00640	.00970	70.00000	-4.98400	.02000	.02000	-.00980	-.00300
1.403	.138	5.07300	.01250	-.00100	.00970	70.00000	-4.99150	.00510	.02000	.00510	-.00300
1.403	.619	5.00480	.01000	-.00150	.00970	70.00000	-4.99150	.00000	.02000	.00000	-.00300
1.402	1.151	5.00340	.01000	-.00150	.00970	70.00000	-4.99150	.00000	.02000	.00000	-.00300
1.403	2.206	5.00350	.01250	-.00100	.00970	70.00000	-4.99890	.00510	.02000	.00510	-.00300
1.403	3.260	4.98980	.01500	-.00650	.00970	70.00000	-4.99890	.00990	.02000	-.00990	-.00120
1.402	4.305	4.98100	.01710	-.00430	.00970	70.00000	-5.00640	.00990	.02430	-.00990	-.00120
1.399	6.393	5.06580	.01710	-.00430	.00970	70.00000	-5.01390	.00990	.02430	-.00990	-.00044
	GRADIENT	-.01154	-.00080	-.00008	.00000	.00000	-.00356	-.00205	.00045	-.00058	

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(C2F085) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPDBRK = 87.200 RUDDER = .000
 RN/L = 5.000

RUN NO. 450/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-1B	ELV-OB	AIL-1B	AIL-OB
.597	-5.025	-.02700	.01790	-.00850	.00970	87.00000	-.10960	.02000	.01580	-.00980	-.00730
.598	-.013	.00510	.01500	-.00560	.00970	87.00000	-.10960	.02000	.01000	-.00980	-.00150
.597	2.523	.00250	.01500	-.00560	.00970	87.00000	-.10960	.02000	.01000	-.00980	-.00150
.596	5.037	.03150	.01290	-.00780	.01940	87.00000	-.10960	.02000	.00580	-.00980	-.00580
.596	7.078	.02980	.01030	-.01030	.01940	87.00000	-.10290	.02000	.00070	-.00980	-.01080
.597	8.133	.03130	.01710	-.00350	.01940	87.00000	-.10290	.02000	.01430	-.00980	-.00270
.596	10.191	.03010	.01710	-.00350	.01940	87.00000	-.10290	.02000	.01430	-.00980	-.00270
.596	12.250	.02870	.01570	-.01060	.01940	87.00000	-.10290	.02000	.01000	-.00980	-.01150
.597	15.280	.04330	.01500	-.00560	.01940	87.00000	-.10290	.02000	.01000	-.00980	-.01150
	GRADIENT	-.00103	.00000	.00000	.00387	.00000	.00000	.00000	.00000	.00000	-.00000

RUN NO. 460/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-1B	ELV-OB	AIL-1B	AIL-OB
.803	-5.427	-.01370	.00780	-.00780	.00000	87.00000	-.12310	.00990	.00580	-.00990	-.00580
.802	-.001	.00510	.01290	-.00780	.00000	87.00000	-.12310	.02000	.00580	-.00980	-.00580
.802	2.583	.00510	.01290	-.00780	.00000	87.00000	-.12310	.02000	.00580	-.00980	-.00580
.799	4.995	.02790	.01290	-.00780	.00000	87.00000	-.12310	.02000	.00580	-.00980	-.00580
.798	7.020	.01980	.01290	-.00780	.00000	87.00000	-.12310	.02000	.00580	-.00980	-.00580
.799	8.036	.01560	.01500	-.00560	.00000	87.00000	-.12310	.02000	.01000	-.00980	-.00150
.801	9.951	.01360	.01500	-.00560	.00000	87.00000	-.12310	.02000	.01000	-.00980	-.00150
.800	11.965	.01390	-.00250	.01700	.00000	87.00000	-.12310	-.01510	.01000	.03550	-.00150
.797	14.829	.01980	-.00300	.01150	.00000	87.00000	-.12310	-.02020	.01430	.02020	-.00270
	GRADIENT	.00657	-.00000	.00000	.00000	-.00000	.00000	-.00000	.00000	.00000	.00000

RUN NO. 462/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-1B	ELV-OB	AIL-1B	AIL-OB
.903	-5.893	-.03650	.02000	-.00640	.00000	87.00000	-.12310	.02000	.02000	-.00980	-.00300
.902	-5.051	-.01990	.01960	-.00100	.00000	87.00000	-.12310	.02500	.01430	-.00470	-.00270
.903	-.819	-.01090	.01920	-.00140	.00000	87.00000	-.12310	.02000	.01850	-.00980	.00700
.902	.437	.00170	.01960	-.00100	.00000	87.00000	-.12310	.02500	.01430	-.00470	.00270
.903	2.032	.00130	.02180	.00120	.00970	87.00000	-.12310	.02500	.01850	-.00470	.00700
.901	4.550	.00530	.01790	-.00270	.00970	87.00000	-.12310	.03010	.00580	.00040	-.00580
.898	6.778	.02250	.01930	.00450	.00000	87.00000	-.12310	.03010	.00850	.00040	-.00580
.901	8.231	.01650	.01960	-.00100	.00000	87.00000	-.12310	.02500	.01430	-.00470	.00270
.901	10.229	.01550	.01960	-.00100	.00000	87.00000	-.12310	.02500	.01430	-.00470	.00270
.902	12.171	.01300	.01960	-.00100	.00000	87.00000	-.12310	.02500	.01430	-.00470	.00270
.902	14.807	.03310	.01960	-.00100	.00000	87.00000	-.12310	.02500	.01430	-.00470	.00270
	GRADIENT	.00244	-.00019	-.00019	.00210	-.00000	-.00000	.00169	-.00208	.00170	-.00209

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

AMES 118-1-11 OAI45A 01

(C2F085) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPOBRK = 87.200 RUDDER = .000
 RN/L = 5.000

RUN NO. 473/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-IB	AIL-IB	ELV-OB	AIL-OB
.952	-5.204	-.03910	.02290	-.00760	.00000	87.00000	-.12310	.04000	-.00950	.00580	-.00580
.952	-.133	-.00280	.02890	.00340	.00000	87.00000	-.10290	.03510	-.00450	.01120	.01120
.951	2.324	.00200	.02890	.00340	.00000	87.00000	-.10290	.03510	-.00450	.01120	.01120
.948	4.840	.01940	.02930	-.00120	.00000	87.00000	-.08940	.04000	-.00950	.01850	.00700
.950	6.837	.01590	.03350	.00300	.00000	87.00000	-.08940	.04000	-.00950	.01550	.01550
.949	7.798	.01950	.03350	.00300	.00000	87.00000	-.08940	.04000	-.00950	.01550	.01550
.951	9.875	.01730	.02840	-.00210	.00000	87.00000	-.06240	.02990	-.01970	.01000	-.00150
.950	12.068	.01530	.02500	-.00550	.00000	87.00000	-.11640	.04000	-.00950	.01000	-.00150
.950	15.131	.01890	.02250	-.00800	.00000	87.00000	-.08940	.03500	-.01460	.01000	-.00150
.950	GRADIENT	.00447	.00008	-.00093	.00000	.00000	.00273	.00099	-.00101	-.00087	-.00085

RUN NO. 486/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-IB	AIL-IB	ELV-OB	AIL-OB
1.103	-5.182	-.03700	.01540	-.00520	.01940	87.00000	-.13210	.02500	-.00470	.00580	-.00580
1.103	-.165	-.00410	.01540	-.00520	.00970	87.00000	-.11640	.02500	-.00470	.00580	-.00580
1.104	2.139	.00420	.01290	-.00780	.00970	87.00000	-.10960	.02000	-.00980	.00580	-.00580
1.103	2.417	.00740	.01460	-.00100	.00970	87.00000	-.09620	.01500	-.00480	.01430	.00270
1.102	5.122	.03320	.01250	-.00320	.00970	87.00000	-.10960	.01500	-.00480	.01000	-.00150
1.105	7.184	.01690	.01000	-.00570	.00970	87.00000	-.10960	.00990	-.00990	.01430	.00270
1.105	8.157	.02410	.01210	-.00360	.00000	87.00000	-.08940	.00990	-.00990	.01000	-.00150
1.101	10.153	.02300	.01500	-.00560	.00970	87.00000	-.09620	.02000	-.00980	.00580	-.00580
1.102	12.177	.01920	.01290	-.00780	.00970	87.00000	-.08940	.02000	-.00980	.00580	-.00580
1.101	15.161	.02120	.01290	-.00780	.05820	87.00000	-.09620	.02000	-.00980	.00580	-.00580
1.101	GRADIENT	.00412	-.00061	.00056	.00000	-.00000	.00594	-.00321	-.00088	.00202	.00202

RUN NO. 489/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-IB	AIL-IB	ELV-OB	AIL-OB
1.199	-5.188	-.05060	.01540	-.00520	.00000	87.00000	-.10290	.02500	-.00470	.00580	-.00580
1.202	-.152	-.00510	.01540	-.00520	.00000	87.00000	-.09620	.02500	-.00470	.00580	-.00580
1.199	2.417	.00290	.01540	-.00520	.00000	87.00000	-.09620	.02500	-.00470	.00580	-.00580
1.198	4.998	.02420	.01040	-.00530	.01940	87.00000	-.08940	.01500	-.00480	.00580	-.00580
1.200	7.061	.02320	.01030	-.01030	.00970	87.00000	-.08270	.01490	-.01490	.00580	-.00580
1.198	8.095	.02100	.01540	-.00520	.00970	87.00000	-.08270	.02500	-.00470	.00580	-.00580
1.196	10.130	.01880	.01290	-.00780	.00970	87.00000	-.07590	.02000	-.00980	.00580	-.00580
1.199	12.156	.01610	.01290	-.00780	.00000	87.00000	-.07590	.02000	-.00980	.00580	-.00580
1.198	15.171	.01730	.01290	-.00780	.00000	87.00000	-.07590	.02000	-.00980	.00580	-.00580
1.198	GRADIENT	.00569	-.00097	-.00002	.00377	.00000	.00132	-.00194	-.00002	.00000	-.00000

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(C2F085) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO.

500/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-1B	AIL-1B	ELV-0B	AIL-0B
1.403	-5.076	-0.3840	.01550	-.00020	.00000	87.00000	-.08270	.02520	.00540	.00580	.00580
1.404	-.035	-.00260	.01500	-.00060	.00970	87.00000	-.07590	.02010	.00030	.01000	-.00150
1.403	2.494	.01350	.01500	-.00060	.00970	87.00000	-.02870	.02010	.00030	.01000	-.00150
1.401	5.092	.02850	.01500	-.00060	.00000	87.00000	-.02200	.02010	.00030	.01000	-.00150
1.400	7.150	.02460	.01040	-.00530	.00000	87.00000	-.02200	.01500	-.00480	.00580	-.00580
1.400	8.189	.02110	.01040	-.00530	.00000	87.00000	-.01520	.01500	-.00480	.00580	-.00580
1.401	10.210	.01920	.01040	-.00530	.00000	87.00000	-.01520	.01500	-.00480	.00580	-.00580
1.400	12.263	.01730	.01500	-.00060	.00970	87.00000	-.00180	.02010	.00030	.01000	-.00150
1.400	15.283	.02340	.01250	-.00320	.00970	87.00000	-.00180	.01500	-.00480	.01000	-.00150
1.394	GRADIENT	.00637	.00000	.00000	.00000	.00000	.01867	.00000	.00000	.00000	.00000

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 87.200 RUDDER = .000
 RN/L = 5.000

AMES 118-1-11 OAI45A 01

(C2F086) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO.

880/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-1B	AIL-1B	ELV-0B	AIL-0B
.596	-5.107	1.88430	.01300	.00230	.00970	87.00000	-.10290	.02020	.01030	.00580	-.00580
.598	-.336	1.96140	.01300	.00230	.00970	87.00000	-.09620	.02020	.01030	.00580	-.00580
.598	2.187	1.96390	.01300	.00230	.00970	87.00000	-.09620	.02020	.01030	.00580	-.00580
.597	4.747	1.99660	.01300	.00230	.00970	87.00000	-.09620	.02020	.01030	.00580	-.00580
.597	7.835	1.97700	.01510	.00440	.00970	87.00000	-.08940	.02020	.01030	.01000	-.00150
.597	9.902	1.94920	.01510	.00440	.00970	87.00000	-.07590	.02020	.01030	.01000	-.00150
.596	11.941	1.96340	.01510	.00440	.00970	87.00000	-.07590	.02020	.01030	.01000	-.00150
.597	14.920	1.99200	.01750	.00190	.00970	87.00000	-.11640	.02520	.00540	.01000	-.00150
.597	16.887	2.01880	.01260	.00190	.00970	87.00000	-.11640	.01510	.00520	.01000	-.00150
.597	18.940	1.99900	.01500	-.00060	.00970	87.00000	-.11640	.02010	.00030	.01000	-.00150
.597	GRADIENT	.00694	.00000	-.00000	-.00000	-.00000	.00000	-.00000	.00000	.00000	.00000

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 87.200 RUDDER = .000
 RN/L = 5.000

DATE 10 MAR 80

OA145 TABULATED FORCE DATA

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AMES 118-1-11 OA145A 01

(C2F086) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BOFLAP = .000
SPDBRK = 87.2000 RUDDER = .000
RN/L = 5.000

RUN NO. 878/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.798	-5.072	1.89760	.01330	-.00310	.00970	87.00000	-.10290	.01150	.00520	-.01150
.801	-.335	1.97100	.01330	-.00310	.00970	87.00000	-.12310	.01150	.00520	-.01150
.798	2.218	1.97870	.01330	-.00310	.00970	87.00000	-.12310	.01150	.00520	-.01150
.798	4.773	1.99420	.01330	-.00310	.00970	87.00000	-.12310	.01150	.00520	-.01150
.797	7.853	1.99120	.01040	-.00030	.00970	87.00000	-.10290	.00580	.00520	-.00580
.796	9.895	1.97590	.01260	.00190	.00970	87.00000	-.09620	.01000	.00520	-.00150
.796	11.940	1.98590	.01040	-.00030	.00970	87.00000	-.07590	.00580	.00520	-.00580
.797	14.908	2.01240	.01540	-.00100	.01940	87.00000	-.08940	.01580	.00520	-.00730
.797	16.909	2.04420	.01540	-.00100	.01940	87.00000	-.08940	.01580	.00520	-.00730
.798	18.948	2.02280	.01540	-.00100	.01940	87.00000	-.13210	.01580	.00520	-.00730
	GRADIENT	.00454	.00000	.00000	-.00000	-.00000	.00000	-.00000	-.00000	.00000

RUN NO. 878/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.898	-5.068	1.95710	.01760	.00190	.01940	87.00000	-.10290	.01000	.00540	-.00150
.901	-.289	2.03140	.01760	.00190	.01940	87.00000	-.10290	.01000	.00540	-.00150
.902	2.220	2.04100	.01760	.00190	.01940	87.00000	-.07590	.01000	.00540	-.00150
.899	4.773	2.07830	.01760	.00190	.00970	87.00000	-.08270	.01000	.00540	-.00150
.899	7.835	2.02900	.01760	.00190	.01940	87.00000	-.14110	.01000	.00540	-.00150
.900	9.895	1.98280	.01760	.00190	.01940	87.00000	-.12310	.01000	.00540	-.00150
.897	11.985	1.99330	.01300	.00230	.01940	87.00000	-.12310	.01000	.01030	-.00580
.900	14.931	2.01940	.01260	.00190	.01940	87.00000	-.10960	.01000	.00520	-.00150
.898	16.941	2.04870	.01540	-.00100	.02910	87.00000	-.08940	.01580	.00520	-.00730
.899	18.969	2.02390	.01790	-.00350	.02910	87.00000	-.10290	.01580	.00030	-.00730
	GRADIENT	.00928	.00000	.00000	-.00192	.00000	.00397	-.00000	.00000	.00000

RUN NO. 877/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.950	-5.043	1.96060	.01550	-.00020	.01940	87.00000	-.19490	.00580	.00540	-.00580
.951	-.039	2.04180	.01760	.00190	.01940	87.00000	-.10960	.01000	.00540	-.00150
.950	2.423	2.01080	.01970	.00410	.01940	87.00000	-.04220	.01430	.00540	.00270
.950	4.841	2.02190	.01970	.00410	.01940	87.00000	-.10290	.01430	.00540	.00270
.950	8.029	2.02870	.01830	-.00310	.01940	87.00000	-.24870	.01150	.00540	-.01150
.950	10.003	1.98200	.01580	-.00560	.01940	87.00000	-.08270	.01150	.00030	-.01150
.951	11.929	1.98820	.01790	-.00350	.02910	87.00000	-.07590	.01580	.00030	-.00730
.951	14.938	2.01330	.01790	-.00350	.02910	87.00000	-.08940	.01580	.00030	-.00730
.950	17.044	2.04400	.01790	-.00350	.02910	87.00000	-.10960	.01580	.00030	-.00730
.950	19.032	2.01480	.01720	.00150	.02910	87.00000	-.10960	.01430	.00030	.00270
	GRADIENT	-.00409	.00043	.00045	.00000	.00000	.00154	.00088	.00000	.00086

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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(C2F086) (11 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 PREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .0000
 AILRON = .0000
 SPDBRK = 87.200
 RN/L = 5.000
 ELEVON = .000
 BOFLAP = .000
 RUDDER = .000

RUN NO. 876/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-IB	AIL-IB	ELV-OB	AIL-OB
1.198	-5.071	1.98190	.01540	-.00100	.00000	87.00000	-.15900	.01510	.00520	.01580	-.00730
1.198	-.056	1.99990	.01800	.00150	.00000	87.00000	-.19490	.02020	.01030	.01580	-.00730
1.198	2.484	1.99230	.01300	.00230	.00000	87.00000	-.06920	.02020	.01030	.00580	-.00580
1.199	5.027	2.00090	.01330	-.00310	.00000	87.00000	-.02870	.01510	.00520	.01150	-.01150
1.199	8.028	2.01320	.01260	.00190	.00000	87.00000	-.10290	.01510	.00520	.01000	-.00150
1.197	10.036	2.00320	.01790	-.00350	.00000	87.00000	-.10290	.02010	.00520	.01580	-.00730
1.197	12.014	1.97710	.01540	-.00600	.00970	87.00000	-.04220	.01500	-.00480	.01580	-.00730
1.197	14.974	2.05570	.01790	-.00350	.00970	87.00000	-.04220	.02010	.00030	.01580	-.00730
1.197	16.927	2.04770	.01330	-.00820	.00970	87.00000	-.10960	.01500	-.00480	.01150	-.01150
1.157	19.007	2.01700	.01290	-.00270	.00970	87.00000	-.06920	.02010	.00030	.00580	-.00580
	GRADIENT	-.00299	-.00197	.00032	.00000	-.00000	.04950	.00000	-.00000	-.00394	.00059

RUN NO. 875/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-IB	AIL-IB	ELV-OB	AIL-OB
1.298	-5.014	1.97110	.01800	.00150	.00000	87.00000	-.13210	.02020	.01030	.01580	-.00730
1.296	-.008	1.98120	.01800	.00150	.00000	87.00000	-.16800	.02020	.01030	.01580	-.00730
1.297	2.520	1.98550	.01590	-.00060	.00000	87.00000	-.13210	.02020	.01030	.01150	-.01150
1.296	5.036	2.01230	.01510	.00440	.00000	87.00000	-.05570	.02020	.01030	.01000	-.00150
1.295	8.107	2.05820	.01260	.00190	.00000	87.00000	-.03550	.01510	.00520	.01000	-.00150
1.295	10.075	1.98160	.01540	-.00100	.00970	87.00000	-.09620	.01510	.00520	.01580	-.00730
1.294	12.064	1.98680	.01330	-.00310	.00970	87.00000	-.03550	.01510	.00520	.01150	-.01150
1.292	15.030	2.01300	.01330	-.00310	.00970	87.00000	-.05570	.01510	.00520	.01150	-.01150
1.290	16.880	2.00020	.01040	-.00030	.01940	87.00000	-.02200	.01510	.00520	.00580	-.00580
1.289	18.699	1.90810	.01040	-.00030	.01940	87.00000	-.00850	.01510	.00520	.00580	-.00580
	GRADIENT	.00170	-.00083	-.00083	.00000	-.00000	.01420	-.00000	-.00000	-.00170	-.00166

RUN NO. 874/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-IB	AIL-IB	ELV-OB	AIL-OB
1.403	-5.265	1.96020	.01800	.00150	.01940	87.00000	-.07590	.02020	.01030	.01580	-.00730
1.404	-.038	2.06000	.01590	-.00060	.01940	87.00000	-.11640	.02020	.01030	.01150	-.01150
1.403	2.501	2.04000	.01510	.00440	.02910	87.00000	-.12310	.02020	.01030	.01000	-.00150
1.401	5.076	2.08830	.01510	.00440	.01940	87.00000	-.08940	.02020	.01030	.01000	-.00150
1.401	8.063	2.01740	.01300	.00230	.02910	87.00000	-.04900	.02020	.01030	.00580	-.00580
1.400	10.019	2.01120	.01300	.00230	.01940	87.00000	-.05570	.02020	.01030	.00580	-.00580
1.399	11.990	2.02350	.01260	.00190	.01940	87.00000	-.09620	.01510	.00520	.01150	-.01150
1.397	14.986	2.04400	.01300	.00230	.00970	87.00000	-.02200	.02020	.01030	.00580	-.00580
1.391	16.845	2.07330	.01040	-.00030	.00970	87.00000	-.01520	.01510	.00520	.00580	-.00580
1.388	18.766	2.08920	.01300	.00230	.00970	87.00000	-.00850	.02020	.01030	.00580	-.00580
	GRADIENT	-.00787	-.00031	.00197	.00382	.00000	-.00264	-.00000	-.00000	-.00059	.00394

0A145 TABULATED FORCE DATA

DATE 10 MAR 80

(C2F087) (08 JUL 77)

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = .000
 AILRON = .000
 SPOBRK = 87.200
 RUDDER = 5.000
 ELEVON = .000
 BDFLAP = .000
 RUDDER = .000

RUN NO. 457/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.598	-6.191	.19220	.01460	-.00100	.01940	87.00000	-.12310	.01500	.01430	-.00480	.00270
.598	-2.105	.04490	.01460	-.00100	.00970	87.00000	-.12310	.01500	.01430	-.00480	.00270
.598	-1.061	.00810	.01460	-.00100	.00970	87.00000	-.12310	.01500	.01430	-.00480	.00270
.598	.011	-.01370	.01460	-.00100	.01940	87.00000	-.12310	.01500	.01430	-.00480	.00270
.598	.529	-.01420	.01460	-.00100	.01940	87.00000	-.12310	.01500	.01430	-.00480	.00270
.598	1.051	.00930	.01720	.00150	.01940	87.00000	-.12310	.02010	.01430	.00030	.00270
.598	2.108	.01360	.01720	.00150	.01940	87.00000	-.12310	.02010	.01430	.00030	.00270
.598	3.146	.02050	.01720	.00150	.01940	87.00000	-.12310	.02010	.01430	.00030	.00270
.598	4.180	.02500	.01720	.00150	.00970	87.00000	-.12310	.02010	.01430	.00030	.00270
.598	6.237	.03840	.01720	.00150	.00970	87.00000	-.12310	.02010	.01430	.00030	.00270
.598	8.287	.03950	.01720	.00150	.00970	87.00000	-.12310	.02010	.01430	.00030	.00270
.597	GRADIENT	.00016	.00055	.00053	.00160	-.00000	-.00000	.00108	.00000	.00108	.00000

RUN NO. 458/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.804	-6.237	.18360	.02100	.00530	.03880	87.00000	-.11640	.01500	.02700	-.00480	.01550
.805	-2.127	.03190	.02310	.00750	.00970	87.00000	-.12310	.01500	.03130	-.00480	.01970
.804	-1.072	-.00540	.02310	.00750	.00970	87.00000	-.12310	.01500	.03130	-.00480	.01970
.804	.004	-.02900	.01680	.00110	.01940	87.00000	-.12310	.01500	.01850	-.00480	.00700
.805	.532	-.03410	.07840	.06270	.01940	87.00000	-.12310	.01500	.14180	-.00480	.13020
.804	1.055	-.01450	.00780	-.00780	.02910	87.00000	-.12310	.00990	.00580	-.00990	-.00580
.803	2.122	-.00950	.00780	-.00780	.00455	87.00000	-.12310	.00990	.00580	-.00990	-.00580
	GRADIENT	-.00959	-.00181	-.00181	.00455	-.00000	-.00000	-.00133	-.00228	-.00133	-.00228

RUN NO. 468/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.902	-6.265	.06660	.02710	-.00340	.01940	87.00000	-.10960	.04000	.01430	-.00950	.00270
.903	-2.133	-.16000	.02710	-.00340	.00000	87.00000	-.12310	.04000	.01430	-.00950	.00270
.901	-1.075	-.19480	.02710	-.00340	.00000	87.00000	-.12310	.04000	.01430	-.00950	.00270
.901	.009	-.21610	.02710	-.00340	.00000	87.00000	-.12310	.04000	.01430	-.00950	.00270
.903	.532	-.22240	.02710	-.00340	.00970	87.00000	-.12310	.04000	.01430	-.00950	.00270
.901	1.057	-.20320	.02710	-.00340	.01940	87.00000	-.12310	.03500	.01430	-.01460	.00270
.901	2.124	-.19830	.02460	-.00590	.00970	87.00000	-.12310	.03500	.01430	-.01460	.00270
.901	3.175	-.19170	.02460	-.00590	.00970	87.00000	-.12310	.03500	.01430	-.01460	.00270
.902	4.220	-.19130	.02460	-.00590	.00970	87.00000	-.12310	.03500	.01430	-.01460	.00270
.899	6.300	-.18620	.01950	-.01100	.00970	87.00000	-.12310	.02480	.01430	-.02480	.00270
.898	8.369	-.18990	.02460	-.00590	.00970	87.00000	-.11640	.03500	.01430	-.01460	.00270
	GRADIENT	-.00194	-.00052	-.00052	.00191	-.00000	-.00092	-.00103	-.00000	-.00105	.00000

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(C2F087) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 479/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.951	-6.264	.58240	.01750	-.00310	.01940	87.00000	-.09620	.02500	.01000	-.00470	-.00150
.954	-2.133	-.10550	.01500	-.00560	.00000	87.00000	-.17690	.02000	.01000	-.00980	-.00150
.952	-1.072	-.13830	.01240	-.00820	.00000	87.00000	-.08270	.01490	.01000	-.01490	-.00150
.951	.013	-.15670	.01240	-.00820	.00000	87.00000	-.08940	.01490	.01000	-.01490	-.00150
.953	.537	-.15470	.01290	-.00780	.00000	87.00000	-.09620	.02000	.00580	-.00980	-.00580
.951	1.064	-.13600	.00780	-.01280	.00000	87.00000	-.09620	.02000	-.00440	-.00980	-.01590
.951	2.133	-.13050	.01290	-.00780	.00000	87.00000	-.10960	.02000	.00580	-.00980	-.00580
.952	3.186	-.12960	.01030	-.01030	.00000	87.00000	-.12310	.01490	.00580	-.01490	-.00580
.950	4.230	-.13220	.01030	-.01030	.00000	87.00000	-.14110	.01490	.00580	-.01490	-.00580
.949	6.314	-.13820	.01030	-.01030	.00000	87.00000	-.17690	.01490	.00580	-.01490	-.00580
.947	8.381	-.15360	.01030	-.01030	.00000	87.00000	-.09620	.01490	.00580	-.01490	-.00580
	GRADIENT	-.00032	-.00061	-.00062	.00000	-.00000	-.00005	-.00038	-.00084	-.00038	-.00086

PARAMETRIC DATA

ALPHA = .000
 AILRON = .000
 SPOBRK = 87.200
 RUDDER = .000
 ELEVON = .000
 BOFLAP = .000
 RNL = 5.000

RUN NO. 506/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.198	-6.271	.11230	.01550	-.00020	.00000	87.00000	-.15900	.02520	.00580	-.00540	-.00580
1.202	-2.126	-.01540	.01760	.00190	.00000	87.00000	-.15900	.02520	.01000	-.00540	-.00150
1.199	-1.071	-.05110	.01760	.00190	.00970	87.00000	-.13210	.02520	.01000	-.00540	-.00150
1.199	.013	-.07180	.01970	.00410	.00000	87.00000	-.14110	.02520	.01430	-.00540	-.00270
1.200	.536	-.06820	.01970	.00410	.00000	87.00000	-.12310	.02520	.01430	-.00540	-.00270
1.199	1.063	-.05000	.01930	.00360	.00970	87.00000	-.12310	.02010	.01850	-.00030	-.00700
1.199	2.131	-.04100	.01500	-.00060	.00970	87.00000	-.12310	.02010	.01000	-.00030	-.00150
1.198	3.186	-.04010	.01500	-.00060	.00970	87.00000	-.13210	.02010	.01000	-.00030	-.00150
1.199	4.234	-.03730	.01500	-.00060	.00970	87.00000	-.14110	.02010	.01000	-.00030	-.00150
1.196	6.322	-.03930	.01250	-.00320	.00000	87.00000	-.17690	.01500	.01000	-.00480	-.00150
1.197	8.400	-.04100	.01500	-.00060	.00970	87.00000	-.15900	.02010	.01000	-.00030	-.00150
	GRADIENT	-.00009	-.00063	-.00061	.00139	.00000	.00221	-.00106	-.00018	-.00106	-.00017

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

(C2F088) (08 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPOBRK = 87.200 RUDDER = .000
 RN/L = 5.000

RUN NO. 447/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.598	-6.052	5.17750	.02130	-.00010	.01940	87.00000	-.10290	.03280	-.00990	.00970
.598	-1.926	5.14350	.01920	-.00220	.00970	87.00000	-.10290	.02850	-.00990	.00550
.598	-.885	5.11040	.02130	-.00010	.00970	87.00000	-.10960	.03280	-.00990	.00970
.598	.027	4.99440	.01500	-.00650	.00970	87.00000	-.10960	.02000	-.00990	-.00300
.598	.495	5.19510	.01500	-.00650	.00970	87.00000	-.10960	.02000	-.00990	-.00300
.598	1.011	5.20640	.01070	-.01070	.00970	87.00000	-.10290	.01150	-.00990	-.01150
.598	2.076	5.21190	.01710	-.00430	.00970	87.00000	-.10960	.02430	-.00990	.00120
.598	3.119	5.19730	.01710	-.00430	.00970	87.00000	-.10960	.02430	-.00990	.00120
.597	4.152	5.19480	.01920	-.00220	.00970	87.00000	-.10960	.02850	-.00990	.00550
.597	6.214	5.18840	.02130	-.00010	.00970	87.00000	-.11640	.03280	-.00990	.00970
.597	GRADIENT	.01836	-.00015	-.00015	.00000	.00000	-.00068	-.00031	-.00000	-.00031

RUN NO. 459/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.803	-6.122	5.12500	.01040	-.00530	.02910	87.00000	-.11640	.00580	-.00480	.00580
.802	-2.034	4.99680	.01040	-.00530	.01940	87.00000	-.12310	.00580	-.00480	.00580
.802	-.987	4.99300	.01040	-.00530	.02910	87.00000	-.12310	.00580	-.00480	.00580
.803	.049	4.88340	.01040	-.00530	.02910	87.00000	-.12310	.00580	-.00480	.00580
.802	.534	4.94170	.01040	-.00530	.03880	87.00000	-.12310	.00580	-.00480	.00580
.802	1.075	4.97420	.01040	-.00530	.00000	87.00000	-.12310	.00580	-.00480	.00580
.801	2.123	4.95280	.01290	-.00780	.00000	87.00000	-.12310	.00580	-.00480	.00580
.802	3.156	4.95470	.01040	-.00530	.00000	87.00000	-.12310	.00580	-.00480	.00580
.802	4.195	4.95550	.01290	-.00780	.00000	87.00000	-.12310	.00580	-.00480	.00580
.801	6.276	4.94650	.01030	-.01030	.00000	87.00000	-.14110	.00580	-.01490	.00580
.801	8.328	4.93630	.01030	-.01030	.00000	87.00000	-.14110	.00580	-.01490	.00580
.801	GRADIENT	-.00422	.00035	-.00035	-.00540	.00000	-.00000	.00000	-.00071	.00000

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OAI45 TABULATED FORCE DATA

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ANES 118-1-11 OAI45A 01

(C2F088) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 463/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH .902 BETA -5.115
 .902 -1.966
 .901 -.921
 .902 .126
 .901 .649
 .902 1.152
 .901 2.202
 .901 3.251
 .900 4.294
 .899 6.376
 .899 8.440
 GRADIENT -.00211

ALPHA 4.88400
 5.00730
 4.99370
 4.87320
 4.99920
 5.01490
 4.99600
 4.97880
 4.95950
 4.91990
 4.89940
 -.00211

ELEVON .02220
 .01960
 .01960
 .01710
 .01710
 .01710
 .01710
 .01710
 .01960
 .01710
 .01710
 -.00041

AILRON -.00160
 -.00100
 -.00100
 -.00350
 -.00350
 -.00350
 -.00350
 -.00350
 -.00100
 -.00350
 -.00041

BOFLAP .00970
 .00000
 .00000
 .00000
 .00000
 .00000
 .00000
 .00970
 .00970
 .00000
 .00970
 .00169

SPOBRK 87.00000
 87.00000
 87.00000
 87.00000
 87.00000
 87.00000
 87.00000
 87.00000
 87.00000
 87.00000
 87.00000
 .00000

AIL-1B .00040
 -.00470
 -.00470
 -.00980
 -.00980
 -.00980
 -.00980
 -.00980
 -.00470
 -.00980
 -.00985

ELV-OB .01430
 .01430
 .01430
 .01430
 .01430
 .01430
 .01430
 .01430
 .01430
 .01430
 .00000

AIL-OB .00270
 .00270
 .00270
 .00270
 .00270
 .00270
 .00270
 .00270
 .00270
 .00270
 .00000

RUN NO. 474/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH .952 BETA -6.098
 .953 -1.971
 .951 -.924
 .950 .138
 .952 .644
 .951 1.157
 .951 2.211
 .950 3.255
 .949 4.297
 .948 6.373
 GRADIENT -.00159

ALPHA 4.92890
 4.93840
 4.99140
 4.97680
 5.01420
 5.01810
 5.00010
 4.97850
 4.95980
 4.92050
 .00159

ELEVON .02760
 .02250
 .02250
 .02710
 .02460
 .02710
 .02460
 .02460
 .02460
 .02460
 .02460
 .00027

AILRON -.00290
 -.00800
 -.00800
 -.00340
 -.00590
 -.00340
 -.00590
 -.00590
 -.00590
 -.00590
 -.00590
 .00027

BOFLAP .00000
 .00000
 .00000
 .00000
 .00000
 .00000
 .00000
 .00000
 .00000
 .00970
 .00000

SPOBRK 87.00000
 87.00000
 87.00000
 87.00000
 87.00000
 87.00000
 87.00000
 87.00000
 87.00000
 87.00000
 87.00000

AIL-1B .00440
 -.01460
 -.01460
 -.00950
 -.01460
 -.00950
 -.01460
 -.01460
 -.01460
 -.01460
 -.00015

ELV-OB .01000
 .01000
 .01000
 .01430
 .01430
 .01430
 .01430
 .01430
 .01430
 .01430
 .00071

AIL-OB -.00150
 -.00150
 -.00150
 .00270
 .00270
 .00270
 .00270
 .00270
 .00270
 .00270
 .00070

PARAMETRIC DATA

ALPHA = .000
 AILRON = .000
 SPOBRK = 87.200
 RN/L = 5.000
 ELEVON = .000
 BOFLAP = .000
 RUDDER = .000

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(C2F088) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPOBRK = 87.200 RUDDER = .000
 RN/L = 5.000

RUN NO. 487/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
1.103	-6.118	4.99440	.01710	-.00350	.00970	87.00000	-.11640	.02000	.01430	-.00980	.00270
1.102	-1.959	4.96730	.01960	-.00100	.00000	87.00000	-.15000	.02500	.01430	-.00470	.00270
1.103	-.901	4.96940	.01920	-.00140	.00000	87.00000	-.14110	.02000	.01850	-.00980	.00700
1.102	.080	5.08720	.01710	-.00350	.00970	87.00000	-.11640	.02000	.01430	-.00980	.00270
1.102	.559	5.01810	.01680	-.00110	.00970	87.00000	-.11640	.01500	.01850	-.00480	.00700
1.101	1.053	4.98360	.01920	-.00140	.00970	87.00000	-.11640	.02000	.01850	-.00980	.00700
1.103	2.108	4.98250	.01420	-.00150	.00970	87.00000	-.12310	.00990	.01850	-.00990	.00700
1.101	3.146	4.98610	.01420	-.00150	.00000	87.00000	-.12310	.00990	.02700	-.00990	.01550
1.102	4.191	4.98770	.01850	-.00280	.00000	87.00000	-.12310	.00990	.01850	-.00990	.00700
1.101	6.289	4.98140	.01420	-.00150	.00000	87.00000	-.11640	.00990	.01850	-.00990	.00700
	GRADIENT	-.00075	-.00055	.00043	-.00011	-.00000	.00355	-.00261	.00148	-.00062	.00149

RUN NO. 488/ 0

RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
1.202	-6.099	4.99110	.01540	-.00520	.00000	87.00000	-.10960	.02500	.00580	-.00470	-.00580
1.200	-1.952	4.97060	.01750	-.00310	.00000	87.00000	-.13210	.02500	.01000	-.00470	-.00150
1.199	-.900	4.96780	.01960	-.00100	.00000	87.00000	-.14110	.02500	.01430	-.00470	.00270
1.199	.171	5.09650	.01960	-.00100	.00000	87.00000	-.10290	.02500	.01430	-.00470	.00270
1.201	.625	4.92370	.01960	-.00100	.00970	87.00000	-.10290	.02500	.01430	-.00470	.00270
1.200	1.140	4.92790	.01960	-.00100	.00000	87.00000	-.10290	.02500	.00580	-.00470	-.00580
1.199	2.189	4.94170	.01540	-.00520	.00000	87.00000	-.10960	.02500	.01000	-.00980	-.00150
1.198	3.237	4.92560	.01500	-.00560	.00000	87.00000	-.12310	.02000	.01000	-.00980	-.00150
1.199	4.282	4.91220	.01500	-.00560	.00000	87.00000	-.12310	.02000	.01000	-.01470	-.00150
1.197	6.350	4.98720	.01750	-.00910	.00970	87.00000	-.13210	.02490	.01000	-.01470	-.00150
	GRADIENT	-.01335	-.00075	-.00075	-.00015	.00000	.00287	-.00088	-.00063	-.00090	-.00062

RUN NO. 504/ 0

RN/L = 4.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
1.402	-6.132	5.06480	.01290	-.00270	.00970	87.00000	-.12310	.02010	.00580	.00030	-.00580
1.406	-1.977	5.06580	.01290	-.00270	.00000	87.00000	-.06920	.02010	.00580	.00030	-.00580
1.404	-.926	5.05380	.01580	-.00560	.00000	87.00000	-.08940	.02010	.01150	.00030	-.01150
1.404	.150	5.09770	.01580	-.00560	.00000	87.00000	-.08940	.02010	.01150	.00030	-.01150
1.403	.628	5.08420	.01580	-.00560	.00000	87.00000	-.08270	.02010	.01150	.00030	-.01150
1.403	1.154	5.06940	.01330	-.00820	.01940	87.00000	-.08270	.01500	.01150	-.00480	-.01150
1.403	2.213	5.04780	.01070	-.01070	.00970	87.00000	-.10290	.00990	.01150	-.00990	-.01150
1.403	3.269	5.02990	.00780	-.00780	.01940	87.00000	-.12310	.00990	.00580	-.00990	-.01080
1.402	4.318	5.01810	.00530	-.01040	.01940	87.00000	-.12310	.00990	.00070	-.00990	-.01080
1.402	6.404	4.98750	.00530	-.01040	.01940	87.00000	-.15900	.00990	.00070	-.00990	-.01080
	GRADIENT	-.00867	-.00155	-.00113	.00375	.00000	-.00843	-.00214	-.00095	-.00214	-.00010

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OAI45 TABULATED FORCE DATA

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(C2F089) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPDBRK = 87.200 RUDDER = .000
 RN/L = 5.000

RUN NO. 455/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.598	-6.037	10.18100	.01460	-.00100	.01940	87.00000	-.12310	.01500	.01430	-.00480	.00270
.598	-1.985	10.19600	.01460	-.00100	.00000	87.00000	-.12310	.01500	.01430	-.00480	.00270
.597	-.968	10.19000	.01460	-.00100	.00970	87.00000	-.12310	.02010	.01430	-.00480	.00270
.598	.050	10.19800	.01720	-.00150	.00970	87.00000	-.12310	.01500	.01430	-.00480	.00270
.598	.556	10.19500	.01460	-.00100	.00970	87.00000	-.12310	.01500	.01430	-.00480	.00270
.598	1.057	10.18500	.01460	-.00100	.00970	87.00000	-.12310	.01500	.01430	-.00480	.00270
.597	2.098	10.19600	.01460	-.00100	.00970	87.00000	-.12310	.01500	.01430	-.00480	.00270
.598	3.113	10.20600	.01460	-.00100	.00970	87.00000	-.12310	.01500	.01430	-.00480	.00270
.598	4.154	10.22400	.01460	-.00360	.00000	87.00000	-.13210	.00990	.01430	-.00990	.00270
.598	6.220	10.22400	.01210	-.00110	.00970	87.00000	-.12310	.01500	.01850	-.00480	.00700
.598	8.285	10.21200	.01680	-.00110	.00970	87.00000	-.12310	.01500	.00000	-.00016	.00000
	GRADIENT	.00404	-.00008	-.00008	.00099	.00000	-.00096	-.00016	.00000	-.00016	.00000

RUN NO. 469/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.902	-6.127	9.85410	.02250	-.00800	.00000	87.00000	-.12310	.03500	.01000	-.01460	-.00150
.903	-2.025	10.02700	.02040	-.01020	.00000	87.00000	-.15000	.03500	.00580	-.01460	-.00580
.901	-.995	10.03200	.02460	-.00590	.00000	87.00000	-.09620	.03500	.01430	-.01460	.00270
.901	.049	10.04300	.02250	-.00800	.00000	87.00000	-.10290	.03500	.01000	-.01460	-.00150
.903	.550	10.05000	.02250	-.00800	.00000	87.00000	-.10290	.03500	.01000	-.01460	-.00150
.901	1.059	10.03000	.01990	-.01060	.00000	87.00000	-.10960	.02990	.01000	-.01970	-.00150
.901	2.107	10.04900	.01990	-.01060	.00000	87.00000	-.11640	.02990	.01000	-.01970	-.00150
.902	3.150	10.07000	.01950	-.01100	.00000	87.00000	-.07590	.02480	.01430	-.02480	.00270
.899	4.208	10.08500	.02250	-.00800	.00000	87.00000	-.08270	.03500	.01000	-.01460	-.00150
.900	6.298	10.08500	.02460	-.00590	.00000	87.00000	-.10960	.03500	.01430	-.01460	.00270
.902	8.379	10.08000	.02460	-.00590	.00000	87.00000	-.13210	.03500	.01430	-.01460	.00270
	GRADIENT	.00873	-.00024	-.00023	.00000	.00000	.00780	-.00091	.00044	-.00091	.00045

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPOBRK = 87.200 RUDDER = .000
 RN/L = 5.000

RUN NO. 480/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.950	-6.126	10.04800	.01750	-.00310	.00970	87.00000	-.06240	.02500	.01000	-.00470	-.00150
.953	-2.032	10.10200	.01240	-.00820	.00000	87.00000	-.12310	.01490	.01000	-.01490	-.00150
.950	-.997	10.09800	.01500	-.00560	.00000	87.00000	-.13210	.02000	.01000	-.00980	-.00150
.952	.049	10.10800	.01500	-.00560	.00970	87.00000	-.11640	.02000	.01000	-.00980	-.00150
.952	.554	10.10400	.01500	-.00560	.00970	87.00000	-.10290	.02000	.01000	-.00980	-.00150
.951	1.064	10.08100	.01500	-.00560	.00970	87.00000	-.10290	.02000	.01000	-.00980	-.00150
.951	2.134	10.01200	.01500	-.00560	.00970	87.00000	-.09620	.02000	.01000	-.00980	-.00150
.950	3.159	10.01100	.01500	-.00560	.00000	87.00000	-.10960	.02000	.01000	-.00980	-.00150
.950	4.219	10.02900	.01500	-.00560	.00000	87.00000	-.12310	.02000	.01000	-.00980	-.00150
.948	6.309	10.01700	.01500	-.00560	.00000	87.00000	-.15900	.02000	.01000	-.00980	-.00150
.950	8.385	10.00400	.01240	-.00820	.00000	87.00000	-.11640	.01490	.01000	-.01490	-.00150
	GRADIENT	-.01727	.00026	.00026	-.00009	.00000	.00203	.00051	.00000	.00051	-.00000

RUN NO. 507/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
1.199	-6.133	10.15900	.01460	-.00100	.01940	87.00000	.04540	.01500	.01430	-.00480	.00270
1.203	-2.042	10.21900	.01250	-.00320	.00000	87.00000	-.11640	.01500	.01000	-.00480	-.00150
1.202	-1.005	10.22800	.01500	-.00060	.00970	87.00000	-.13210	.02010	.01000	.00030	-.00150
1.199	.050	10.25100	.01830	-.00310	.00970	87.00000	-.13210	.02520	.01150	.00540	-.01150
1.200	.554	10.25100	.01550	-.00020	.00970	87.00000	-.13210	.02520	.00580	.00540	-.00580
1.200	1.069	10.23200	.01790	-.00350	.02910	87.00000	-.13210	.02010	.01580	.00030	-.00730
1.198	2.125	10.24700	.01790	-.00110	.03880	87.00000	-.13210	.01500	.01850	-.00480	.00700
1.199	3.174	10.26000	.01680	-.00270	.02910	87.00000	-.12310	.02010	.00580	.00030	-.00580
1.196	4.234	10.27400	.01290	-.00270	.02910	87.00000	-.12310	.02010	.01000	.00030	-.00150
1.197	6.328	10.26400	.01500	-.00060	.01940	87.00000	-.15900	.01500	.01000	-.00480	-.00150
1.197	8.407	10.25300	.01250	-.00320	.00970	87.00000	-.15900	.01500	.01000	-.00480	-.00150
1.198	GRADIENT	.00754	.00015	.00013	.00575	.00000	-.00061	-.00008	.00037	-.00008	.00031

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OAI45 TABULATED FORCE DATA

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(C2F089) (08 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPOBRK = 87.200 RUDDER = .000
 RN/L = 5.000

RUN NO. 496/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-1B	AIL-1B	AIL-0B
1.404	-6.177	10.17000	.01040	-.00530	.00970	87.00000	-.14110	.01500	-.00480	-.00580
1.409	-2.049	10.21500	.01040	-.00530	.00970	87.00000	-.18590	.01500	-.00480	-.00580
1.401	-1.013	10.23200	.01040	-.00530	.01940	87.00000	-.19490	.02000	-.00480	-.00580
1.400	.044	10.24800	.01290	-.00780	.01940	87.00000	-.21280	.01500	-.00480	-.00580
1.399	.554	10.25900	.01250	-.00320	.01940	87.00000	-.21280	.01500	-.00480	-.00580
1.399	1.070	10.23500	.01040	-.00530	.00970	87.00000	-.16800	.01500	-.00480	-.00580
1.400	2.131	10.25900	.01040	-.00530	.00970	87.00000	-.13210	.01500	-.00480	-.00580
1.399	3.184	10.27500	.01040	-.00530	.00970	87.00000	-.14110	.01500	-.00480	-.00580
1.400	4.248	10.28800	.01040	-.00530	.00970	87.00000	-.16800	.01500	-.00480	-.00580
1.400	6.355	10.28900	.01040	-.00530	.00970	87.00000	-.15900	.01500	-.00480	-.00580
1.400	8.446	10.27900	.01250	-.00320	.00970	87.00000	-.01027	-.00016	-.00016	-.00006
1.400	GRADIENT	.01055	-.00011	.00005	-.00107	.00000				

AMES 118-1-11 OAI45A 01

(C2F0C0) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPOBRK = 87.200 RUDDER = .000
 RN/L = 5.000

RUN NO. 456/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-1B	AIL-1B	AIL-0B
.598	-6.082	15.22700	.01250	-.00320	.01940	87.00000	-.12310	.01500	-.00480	-.00150
.597	-1.993	15.27800	.01460	-.00100	.00970	87.00000	-.12310	.01500	-.00480	-.00270
.598	-.957	15.28200	.01460	-.00100	.00970	87.00000	-.12310	.01500	-.00480	-.00270
.597	.089	15.28400	.01500	-.00650	.00970	87.00000	-.12310	.00990	-.00990	-.00270
.598	.595	15.28100	.01210	-.00360	.00970	87.00000	-.12310	.00990	-.00990	-.00270
.598	1.106	15.27300	.01210	-.00360	.00970	87.00000	-.12310	.00990	-.00990	-.00270
.597	2.130	15.25100	.01210	-.00360	.00970	87.00000	-.12310	.01500	-.00480	-.00270
.598	3.165	15.25000	.01460	-.00100	.01940	87.00000	-.12310	.01500	-.00480	-.00270
.597	4.209	15.24200	.01460	-.00100	.00970	87.00000	-.12310	.01500	-.00480	-.00270
.597	6.271	15.22100	.01460	-.00100	.00970	87.00000	-.13210	.01500	-.00480	-.00270
.599	8.339	15.17300	.01680	.00110	.00970	87.00000	-.13210	.01500	-.00480	-.00700
.599	GRADIENT	-.00726	-.00007	.00011	.00171	-.00000		.00004	-.00018	.00018

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 5.000

RUN NO. 470/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.902	-6.180	15.02900	.02210	-.00850	.00000	87.00000	-.08940	.01430	-.01970	.00270
.901	-2.033	15.08400	.02460	-.00590	.00000	87.00000	-.10960	.01430	-.01460	.00270
.901	-.987	15.08900	.02460	-.00590	.00000	87.00000	-.11640	.01430	-.01460	.00270
.901	.067	15.09500	.02210	-.00850	.00970	87.00000	-.12310	.01430	-.01970	.00270
.902	.584	15.09900	.02210	-.00850	.00000	87.00000	-.12310	.01430	-.01970	.00270
.899	1.099	15.08600	.02460	-.00590	.00000	87.00000	-.12310	.01430	-.01460	.00270
.902	2.135	15.07300	.02460	-.00590	.00000	87.00000	-.11640	.01000	-.01460	.00270
.902	3.182	15.07200	.02250	-.00800	.00000	87.00000	-.08270	.01000	-.01970	.00150
.901	4.238	15.07500	.01990	-.01060	.00000	87.00000	-.08270	.01000	-.01460	.00150
.903	6.324	15.06100	.02250	-.00800	.00000	87.00000	-.07590	.01000	-.01970	.00150
.900	8.413	15.01800	.01990	-.01060	.00000	87.00000	-.07590	.01000	-.01970	.00150
	GRADIENT	-.00306	-.00052	-.00052	-.00031	-.00000	.00289	-.00075	-.00030	-.00073

RUN NO. 508/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
1.198	-6.183	15.20400	.01580	-.00560	.01940	87.00000	-.12310	.01150	.00030	.00150
1.202	-2.053	15.29300	.01330	-.00820	.00970	87.00000	-.15900	.01150	-.00480	.00150
1.200	-1.002	15.30100	.01330	-.00820	.00970	87.00000	-.12310	.01150	-.00480	.00150
1.199	.061	15.31500	.01580	-.00560	.00000	87.00000	-.12310	.01150	.00030	.00150
1.199	.575	15.32400	.01290	-.00270	.00000	87.00000	-.12310	.00580	.00030	.00580
1.198	1.103	15.31200	.01830	-.00310	.00000	87.00000	-.12310	.01150	.00540	.00150
1.197	2.145	15.29500	.01830	-.00310	.00000	87.00000	-.12310	.01150	.00540	.00150
1.198	3.198	15.29000	.01830	-.00310	.00000	87.00000	-.12310	.01150	.00540	.00150
1.199	4.254	15.29000	.01830	-.00310	.00000	87.00000	-.12310	.01150	.00540	.00150
1.199	6.344	15.27400	.01550	-.00020	.01940	87.00000	-.12310	.00580	.00540	.00580
1.199	8.434	15.23700	.01550	-.00020	.01940	87.00000	-.12310	.00580	.00540	.00580
1.197	GRADIENT	-.00208	.00098	.00091	-.00160	.00000	.00356	.00008	.00191	.00008

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OAI45 TABULATED FORCE DATA

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(CF0C0) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 15.000 ELEVON = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO AILRON = .000 BDFLAP = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPDBRK = 87.200 RUDDER = .000
 SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 497/ 0		RN/L = 4.96		GRADIENT INTERVAL = -5.00/ 5.00						
MACH	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
1.391	15.20300	.01290	-.00270	.00970	87.00000	.03870	.02010	.00580	.00030	-.00580
1.397	15.29600	.01040	-.00530	.00970	87.00000	.01170	.01500	.00580	-.00480	-.00580
1.399	15.30000	.01040	-.00530	.00970	87.00000	-.00180	.01500	.00580	-.00480	-.00580
1.398	15.31200	.01040	-.00530	.00970	87.00000	-.00180	.01500	.00580	-.00480	-.00580
1.396	15.30500	.01040	-.00530	.00970	87.00000	-.00180	.01500	.00580	-.00480	-.00580
1.396	15.28800	.01040	-.00530	.00970	87.00000	-.00850	.01500	.00580	-.00480	-.00580
1.395	15.26000	.01040	-.00530	.00970	87.00000	-.01520	.01500	.00580	-.00480	-.00580
1.394	15.25300	.01040	-.00530	.00970	87.00000	-.02200	.01500	.00580	-.00480	-.00580
1.393	15.25200	.01040	-.00530	.00970	87.00000	-.03550	.01500	.00580	-.00480	-.00580
1.391	15.23600	.01040	-.00530	.00970	87.00000	-.05570	.01500	.00580	-.00480	-.00580
1.390	15.20600	.01040	-.00530	.00970	87.00000	-.11640	.01500	.00580	-.00480	-.00580
	GRADIENT	-.00968	-.00000	-.00034	.00000	-.00669	.00000	.00000	.00000	.00000

AMES 118-1-11 OAI45A 01

(CF0C1) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = .000 BETA = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELEVON = .000 AILRON = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO BDFLAP = .000 SPDBRK = 87.200
 SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 453/ 0		RN/L = 4.96		GRADIENT INTERVAL = -5.00/ 5.00						
MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.598	-10.072	.01760	.01500	-.00560	.01940	87.00000	.02000	.01000	-.00980	-.00150
.598	-5.111	.01440	.01500	-.00560	.01940	87.00000	.02000	.01000	-.00980	-.00150
.598	-2.524	.02930	.01260	-.00560	.01940	87.00000	.02000	.01000	-.00980	-.00150
.598	-.096	.01020	.01250	-.00320	.01940	87.00000	.01500	.01430	-.00480	.00270
.598	2.393	.00860	.01460	-.00100	.01940	87.00000	.00990	.01430	-.00480	.00270
.598	4.977	.00670	.01210	-.00360	.02910	87.00000	.00990	.01430	-.00480	.00270
.598	9.828	.00330	.01460	-.00100	.02910	87.00000	.00990	.01430	-.00480	.00270
	GRADIENT	-.00077	-.00026	.00032	.00118	-.00000	-.00121	.00069	-.00002	.00067

(C2F0C1) (08 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = .000
ELEVON = .000
BDFLAP = .000
RN/L = 5.00
BETA = .000
AILRON = .000
SPOBRK = 87.200

RUN NO. 471/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.902	-10.072	-23580	.01910	.01780	-.01270	.00000	87.00000	.02990	.00580	-.01970	-.00580
.902	-5.126	-23550	.01260	.01780	-.01270	.00000	87.00000	.02990	.00580	-.01970	-.00580
.902	-2.507	-23530	.00850	.01780	-.01270	.00000	87.00000	.02990	.00580	-.01970	-.00580
.902	-1.103	-23600	.00570	.01780	-.01270	.00000	87.00000	.02990	.00580	-.01970	-.00580
.902	2.401	-23610	.00330	.01780	-.01270	.00000	87.00000	.02990	.00580	-.01970	-.00580
.901	4.977	-23830	.00000	.01780	-.01270	.00000	87.00000	.02990	.00580	-.01970	-.00580
.902	9.828	-24000	-.00660	.01780	-.01270	.00000	87.00000	.02990	.00580	-.01970	-.00580
	GRADIENT	-.00037	-.00112	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 482/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.951	-10.054	-17150	.02340	.01540	-.00520	.01940	87.00000	.02500	.00580	-.00470	-.00580
.952	-5.111	-16790	.01610	.01540	-.00520	.00970	87.00000	.02500	.00580	-.00470	-.00580
.952	-2.532	-16790	.01200	.01540	-.00520	.01940	87.00000	.02500	.00580	-.00470	-.00580
.952	-1.110	-16830	.00820	.01540	-.00520	.01940	87.00000	.02500	.00580	-.00470	-.00580
.951	2.410	-17000	.00470	.01540	-.00520	.01940	87.00000	.02500	.00580	-.00470	-.00580
.952	4.959	-17050	.00080	.01540	-.00520	.02910	87.00000	.02500	.00580	-.00470	-.00580
.952	9.828	-17410	-.00670	.01540	-.00520	.01940	87.00000	.02500	.00580	-.00470	-.00580
	GRADIENT	-.00038	-.00148	.00000	.00000	.00117	.00000	.00000	.00000	.00000	.00000

RUN NO. 509/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
1.204	-10.063	-.06530	.00720	.01290	-.00270	.00970	87.00000	.02010	.00580	.00030	-.00580
1.200	-5.111	-.07000	.00430	.01550	-.00020	.00000	87.00000	.02520	.00580	.00540	-.00580
1.199	-2.524	-.06900	.00270	.01550	-.00020	.00970	87.00000	.02520	.00580	.00540	-.00580
1.200	-.089	-.06840	.00120	.01550	-.00020	.01940	87.00000	.02520	.00580	.00540	-.00580
1.199	2.410	-.06940	.00010	.02050	-.00090	.00970	87.00000	.02520	.00580	.00540	-.00580
1.200	4.949	-.06770	-.00100	.01550	-.00020	.02910	87.00000	.02520	.00580	.00540	-.00580
1.199	9.804	-.07070	-.00490	.01760	-.00190	.02910	87.00000	.02520	.00580	.00540	-.00580
	GRADIENT	.00012	-.00049	.00020	-.00003	.00195	-.00000	-.00000	.00039	.00000	-.00006

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OAI45 TABULATED FORCE DATA

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(CF0C2) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPD8RK = 87.200
 RN/L = 5.000

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPD8RK	ELV-OB	AIL-IB	AIL-OB
.597	-10.045	5.07060	.03050	.01500	-.00560	.01940	87.00000	.01000	-.00980	-.00150
.596	-5.141	5.06990	.02700	.01500	-.00560	.01940	87.00000	.01000	-.00980	-.00150
.597	-2.499	5.06860	.02520	.01500	-.00560	.01940	87.00000	.01000	-.00980	-.00150
.597	-.089	5.07130	.02260	.01500	-.00560	.02910	87.00000	.01000	-.00980	-.00150
.598	2.410	5.07230	.02040	.01500	-.00560	.01940	87.00000	.01000	-.00980	-.00150
.598	4.949	5.07290	.01830	.01500	-.00560	.01940	87.00000	.01000	-.00980	-.00150
.598	9.804	5.07420	.01410	.01500	-.00560	.01940	87.00000	.01000	-.00980	-.00150
	GRADIENT	.00056	-.00092	.00000	-.00000	-.00040	-.00000	-.00000	-.00000	-.00000

RUN NO. 452/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPD8RK	ELV-OB	AIL-IB	AIL-OB
.901	-10.063	4.91470	.14930	.01500	-.00560	.01940	87.00000	.01000	-.00980	-.00150
.902	-5.119	4.98510	.03840	.01990	-.01060	.00970	87.00000	.01000	-.01970	-.00150
.902	-2.532	4.98330	.03490	.01780	-.01270	.00000	87.00000	.00580	-.01970	-.00580
.902	-.110	4.98580	.03250	.02460	-.00590	.00000	87.00000	.01430	-.01460	.00270
.902	2.419	4.98590	.02960	.02460	-.00590	.00000	87.00000	.01430	-.01460	.00270
.902	4.986	4.98380	.02660	.02210	-.00850	.00000	87.00000	.01430	-.01970	.00270
.902	9.812	4.98500	.02030	.02250	-.00800	.00970	87.00000	.01000	-.01460	-.00150
.903		.00006	-.00111	.00050	.00049	.00000	.00000	.00101	-.00001	.00101

RUN NO. 464/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

RUN NO. 475/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPD8RK	ELV-OB	AIL-IB	AIL-OB
.951	-10.045	4.96930	.17130	.02970	-.00080	.00000	87.00000	.01430	-.00440	-.00270
.952	-5.111	4.97460	.15600	.02970	-.00080	.00000	87.00000	.01430	-.00440	-.00270
.952	-2.516	4.97560	.14880	.02970	-.00080	.00000	87.00000	.01430	-.00440	-.00270
.950	-.110	4.97320	.14350	.02710	-.00340	.00000	87.00000	.01430	-.00950	.00270
.952	2.401	4.97620	.13690	.02970	-.00080	.00000	87.00000	.01430	-.00440	.00270
.951	4.986	4.97470	.13000	.02970	-.00080	.00000	87.00000	.01430	-.00440	.00270
.952	9.820	4.97520	.11660	.02970	-.00080	.00000	87.00000	.01430	-.00440	.00270
	GRADIENT	.00001	-.00252	.00011	.00011	.00000	.00000	.00000	.00021	.00000

0A145 TABULATED FORCE DATA

DATE 10 MAR 80

(C2F0C2) (08 JUL 77)

AMES 118-1-11 0A145A 01

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 87.200
RN/L = 5.000

RUN NO. 490/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-OB	AIL-IB	AIL-OB
1.201	-10.072	4.91390	.04490	.01540	-.00520	.00970	87.00000	.00580	-.00470	-.00580
1.200	-5.104	4.91470	.04230	.01540	-.00520	.00970	87.00000	.00580	-.00470	-.00580
1.200	-2.467	4.97520	.03750	.01540	-.00520	.00970	87.00000	.00580	-.00470	-.00580
1.200	-.069	4.97420	.03560	.01540	-.00520	.01940	87.00000	.00580	-.00470	-.00580
1.199	2.410	4.97380	.03390	.01540	-.00520	.00970	87.00000	.00580	-.00470	-.00580
1.200	4.931	4.97570	.03200	.01540	-.00520	.01940	87.00000	.00580	-.00470	-.00580
1.201	9.804	4.97740	.02990	.01290	-.00270	.01940	87.00000	.00580	-.00470	-.00580
	GRADIENT	.00005	-.00074	.00000	.00000	.00078	.00000	.00000	-.00000	-.00000

RUN NO. 505/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-OB	AIL-IB	AIL-OB
1.402	-10.045	5.07810	.16830	.00780	-.00780	.01940	87.00000	.00580	-.00990	-.00580
1.403	-5.134	5.07960	.16140	.00780	-.00780	.00970	87.00000	.00580	-.00990	-.00580
1.404	-2.516	5.08100	.15970	.01580	-.00560	.00970	87.00000	.01150	.00030	-.01150
1.404	-.089	5.08090	.15550	.01580	-.00560	.01940	87.00000	.01150	.00030	-.01150
1.403	2.367	5.08050	.15310	.01290	-.00270	.00970	87.00000	.00580	.00030	-.00580
1.403	4.977	5.08100	.14900	.01580	-.00560	.01940	87.00000	.01150	.00030	-.01150
1.404	9.828	5.08040	.14510	.01830	-.00310	.01940	87.00000	.01150	.00540	-.01150
	GRADIENT	-.00001	-.00138	-.00011	.00011	.00079	.00000	-.00022	.00000	.00022

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(C2F0C3) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPOBRK = 87.200
RN/L = 5.000

RUN NO. 454/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	ELV-08	AIL-1B	AIL-08
.597	-10.089	10.17800	.03950	.02740	.01170	.01940	87.00000	.03980	-.00480	.02820
.597	-5.126	10.17600	.03620	.02740	.01170	.01940	87.00000	.03980	-.00480	.02820
.598	-2.516	10.17900	.03400	.02740	.01170	.01940	87.00000	.03980	-.00480	.02820
.597	-1.116	10.17800	.03250	.02740	.01170	.01940	87.00000	.03980	-.00480	.02820
.597	2.401	10.17900	.02980	.02520	.00460	.01940	87.00000	.03550	-.01490	.02400
.598	4.977	10.18200	.02800	.02270	.00700	.01940	87.00000	.03550	-.00990	.02400
.598	9.844	10.18500	.02450	.02270	.00700	.01940	87.00000	.03550	-.00990	.02400
	GRADIENT	.00041	-.00083	-.00066	-.00085	.00000	.00000	-.00069	-.00101	-.00067

RUN NO. 472/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	ELV-08	AIL-1B	AIL-08
.900	-10.063	10.03500	.04210	.02250	-.00800	.00000	87.00000	.01000	-.01460	.00150
.901	-5.119	10.03800	.03740	.02250	-.00800	.00000	87.00000	.01000	-.01460	.00150
.902	-2.507	10.04100	.03460	.02250	-.00800	.00000	87.00000	.01000	-.01460	.00150
.902	-1.110	10.04000	.03210	.02250	-.00800	.00000	87.00000	.01000	-.01460	.00150
.903	2.384	10.04400	.02900	.02250	-.00800	.00000	87.00000	.01000	-.01460	.00150
.903	4.959	10.04300	.02660	.02040	-.01020	.00000	87.00000	.00580	-.01460	.00580
.902	9.796	10.04300	.02210	.02040	-.01020	.00000	87.00000	.00580	-.01460	.00580
	GRADIENT	.00040	-.00109	-.00026	-.00027	.00000	.00000	-.00051	-.00000	-.00052

RUN NO. 481/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	ELV-08	AIL-1B	AIL-08
.952	-10.063	9.99840	.05430	.01290	-.00780	.00970	87.00000	.00580	-.00980	.00580
.951	-5.119	9.99580	.05000	.01290	-.00780	.00970	87.00000	.00580	-.00980	.00580
.951	-2.524	9.99720	.04780	.01290	-.00780	.00970	87.00000	.00580	-.00980	.00580
.953	-1.116	10.00500	.04460	.01030	-.01030	.00970	87.00000	.00580	-.01490	.00580
.951	2.410	10.00100	.04270	.01240	-.00820	.00970	87.00000	.01000	-.01490	.00580
.951	4.977	10.00000	.03970	.01030	-.01030	.01940	87.00000	.00580	-.01490	.00580
.952	9.804	10.00400	.03500	.01030	-.01030	.00970	87.00000	.00500	-.01490	.00580
	GRADIENT	.00016	-.00105	-.00023	-.00021	.00117	-.00000	.00016	-.00060	.00017

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0A145 TABULATED FORCE DATA

AMES 118-1-11 0A145A 01

(C2F0C3) (08 JUL 77)

REFERENCE DATA

SREF	=	2690.0000	SO.FT.	XMRP	=	1076.6800	IN. XO
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. YO
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. ZO
SCALE	=	.0500					

PARAMETRIC DATA

ALPHA
ELEVON
BOFLAP
RN/L

RAIN NO	510/ 0	BN/L	4.97	GRADIENT	INTERVAL	-5.00/	5.00
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MACH	RUDDER	ALPHA	BETA	ELEVON	AILERON	BDFLAP	SPOBRK	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.200	-10.063	10.23500	.03870	.01550	-.00020	.00970	87.00000	.02520	.00580	.00540	-.00580
1.200	-5.126	10.23700	.01830	.01830	-.00310	.00970	87.00000	.02520	.01150	.00540	-.01150
1.200	-2.524	10.23800	.03480	.01550	.00970	.00970	87.00000	.02520	.00580	.00540	-.00580
1.199	-2.524	10.23800	.03340	.01550	.00970	.01940	87.00000	.02520	.00580	.00540	-.00580
1.200	-1.103	10.23800	.03150	.01830	-.00310	.00000	87.00000	.02520	.01150	.00540	-.01150
1.200	2.376	10.23800	.02930	.01830	-.00310	.02910	87.00000	.02520	.01150	.00540	-.01150
1.200	4.959	10.24100	.02670	.01830	-.00310	.01940	87.00000	.02520	.01150	.00540	-.01150
1.200	9.804	10.24000	.00970	.00045	-.00045	.00159	.00000	.00000	.00091	.00000	-.00091

Run No	Run/1	Run/1	Gradient	Interval	Interval
1.00	0	4	96	-5.00	5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILERON	BDFLAP	SPDBRK	ELV-1B	AIL-1B	AIL-1B	AIL-1B
1.403	-9.919	10.23500	.04100	.01500	-.00060	.03880	87.00000	.02010	.00030	.00030	-.00150
1.404	-5.125	10.23300	.03820	.01760	.00190	.03880	87.00000	.02520	.00540	.00540	-.00150
1.405	-2.516	10.23300	.03700	.01760	.00190	.02910	87.00000	.02520	.00540	.00540	-.00150
1.406	-.062	10.23300	.03520	.01970	.00410	.01940	87.00000	.02520	.00540	.00540	.00270
1.404	2.401	10.23300	.03400	.01970	.00410	.00000	87.00000	.02520	.00540	.00540	.00270
1.404	4.959	10.23500	.03240	.01970	.00410	.00000	87.00000	.02520	.00540	.00540	.00270
1.403	9.820	10.23500	.03030	.01970	.00410	.00970	87.00000	.02520	.00540	.00540	.00270
GRADIENT	.00024		-.00060	.00025	.00026	-.00427	-.00000	-.00000	.00052	.00000	.00050

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OAI45 TABULATED FORCE DATA

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(CEFOC4) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA =
ELEVON =
BDFLAP =
RN/L =
15.000 BETA = .000
.000 AILRON = .000
.000 SPDBRK = 87.200
5.000

RUN NO. 511/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.197	-10.054	15.27200	.03150	.01580	-.00560	.02910	87.00000	.02010	.01150	.00030	-.01150
1.199	-5.126	15.26700	.03000	.01330	-.00820	.02910	87.00000	.01500	.01150	-.00480	-.01150
1.200	-2.532	15.27000	.02710	.01580	-.00560	.02910	87.00000	.02010	.01150	.00030	-.01150
1.197	-1.110	15.27300	.02610	.01580	-.00560	.03880	87.00000	.02010	.01150	.00030	-.01150
1.199	2.376	15.27500	.02300	.01830	-.00810	.02910	87.00000	.02500	.01150	-.00470	-.01150
1.199	4.959	15.27000	.02290	.01580	-.00560	.03880	87.00000	.02010	.01150	.00030	-.01150
1.199	9.812	15.27400	.01880	.01580	-.00560	.02910	87.00000	.02010	.01150	.00030	-.01150
1.200	GRADIENT	.00007	-.00053	.00010	-.00010	.00078	.00000	.00019	.00000	-.00019	.00000

RUN NO. 498/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.397	-10.107	15.31300	.05970	.00780	-.00780	.01940	87.00000	.00990	.00580	-.00990	-.00580
1.397	-5.104	15.31000	.05480	.01290	-.00270	.02910	87.00000	.02010	.00580	.00030	-.00580
1.395	-2.483	15.31700	.05360	.01040	-.00030	.01940	87.00000	.01510	.00580	.00520	-.00580
1.397	-.096	15.31600	.05360	.01040	-.00530	.02910	87.00000	.01500	.00580	-.00480	-.00580
1.395	2.436	15.31700	.05240	.01040	-.00530	.01940	87.00000	.01500	.00580	-.00480	-.00580
1.394	4.977	15.32000	.05430	.01040	-.00530	.02910	87.00000	.01500	.00580	-.00480	-.00580
1.395	9.780	15.32000	.04600	.01040	-.00530	.02910	87.00000	.01500	.00580	-.00480	-.00580
	GRADIENT	.00041	.00004	.00000	-.00059	.00077	.00000	-.00001	.00000	-.00119	-.00000

0A145 TABULATED FORCE DATA

DATE 10 MAR 80

(C2F0C5) (08 JUL 77)

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = -5.000
RN/L = 5.000

RUN NO. 451/ 0 RN/L = 4.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-1B	ELV-OB	AIL-1B	AIL-OB
.597	-5.027	-.02120	.01710	-.00350	.01940	87.00000	-5.11130	.02000	.01430	-.00980	.00270
.598	-.035	.00440	.01710	-.00350	.01940	87.00000	-5.11130	.02000	.01430	-.00980	.00270
.597	2.523	.00860	.01710	-.00350	.01940	87.00000	-5.10380	.02000	.01430	-.00980	.00270
.596	5.042	.03620	.01710	-.00350	.01940	87.00000	-5.09630	.02000	.01430	-.00980	.00270
.595	7.088	.02760	.01500	-.00560	.01940	87.00000	-5.11130	.02000	.01000	-.00980	-.00150
.596	8.125	.02990	.01290	-.00780	.02910	87.00000	-5.11130	.02000	.00580	-.00980	-.00580
.595	10.188	.03530	.02560	-.00500	.02910	87.00000	-5.11880	.02000	.03130	-.00980	.01970
.597	12.232	.03310	.02350	.00290	.00970	87.00000	-5.11880	.02000	.02700	-.00980	.01550
.597	15.276	.05030	.01710	-.00350	.01940	87.00000	-5.11880	.02000	.01430	-.00980	.00270
.596	GRADIENT	.00164	.00000	.00000	.00000	-.00000	.00293	-.00000	.00000	.00000	.00000

RUN NO. 465/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-1B	ELV-OB	AIL-1B	AIL-OB
.902	-5.257	-.02590	.02410	-.00850	.00000	87.00000	-5.11880	.02990	.01430	-.01970	.00270
.903	.060	-.00060	.02460	-.00590	.00000	87.00000	-5.11880	.03500	.01430	-.01460	.00270
.904	2.478	.01440	.02460	-.00590	.00000	87.00000	-5.10380	.03500	.01430	-.01460	.00270
.902	4.957	.03940	.02460	-.00590	.00970	87.00000	-5.09630	.03500	.01430	-.01460	.00270
.902	6.976	.02870	.02460	-.00590	.00000	87.00000	-5.11880	.03500	.01430	-.01460	.00270
.900	7.972	.02370	.02460	-.00590	.00000	87.00000	-5.11130	.03500	.01430	-.01460	.00270
.901	9.977	.02250	.02460	-.00590	.00000	87.00000	-5.10380	.03500	.01430	-.01460	.00270
.902	11.928	.02070	.01960	-.00600	.00000	87.00000	-5.11130	.02490	.01430	-.01470	.00270
.901	14.820	.02130	.02210	-.00340	.00000	87.00000	-5.12630	.03000	.01430	-.00960	.00270
	GRADIENT	.00818	.00000	.00000	.00199	-.00000	.00459	.00000	.00000	.00000	.00000

RUN NO. 476/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-1B	ELV-OB	AIL-1B	AIL-OB
.953	-5.097	-.03730	.02250	-.00800	.00000	87.00000	-5.08880	.03500	.01000	-.01460	.00150
.952	-.466	-.00200	.02250	-.00800	.00000	87.00000	-5.11130	.03500	.01000	-.01460	.00150
.953	2.284	.00850	.02250	-.00800	.00000	87.00000	-5.10380	.04000	.00580	-.00950	.00580
.951	4.929	.03190	.02290	-.00760	.00000	87.00000	-5.10380	.04000	.01000	-.00950	.00150
.950	7.054	.02830	.02500	-.00550	.01940	87.00000	-5.11130	.04000	.01430	-.00950	.00270
.952	8.061	.02530	.02710	-.00340	.01940	87.00000	-5.11130	.02990	.01000	-.01970	.00150
.952	10.143	.02440	.01990	-.01060	.01940	87.00000	-5.11130	.04000	.01000	-.00950	.00150
.952	12.048	.03070	.02500	-.00550	.01940	87.00000	-5.11130	.04000	.01000	-.00950	.00150
.951	15.034	.02510	.02250	-.00800	.00970	87.00000	-5.11130	.03500	.01000	-.01460	.00150
	GRADIENT	.00627	.00007	.00007	.00000	.00000	.00138	.00092	-.00077	.00094	-.00079

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO

LREF = 474.8100 INCHES YMRP = .0000 IN. YO

BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO

SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000

AILRON = .000 BDFLAP = .000

SPDBRK = 87.200 RUDDER = -5.000

RN/L = 5.000

RUN NO. 491/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00									
MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-08	AIL-08
1.200	-5.196	-.03640	.01540	-.00520	.00970	87.00000	-5.11880	.00580	-.00470
1.200	-.168	-.00050	.01290	-.00780	.00000	87.00000	-5.11880	.00580	-.00980
1.200	2.410	.00660	.01290	-.00780	.00000	87.00000	-5.11130	.00580	-.00980
1.196	4.992	.02720	.01290	-.00780	.00000	87.00000	-5.11130	.00580	-.00980
1.198	7.057	.02670	.01290	-.00780	.00000	87.00000	-5.11130	.00580	-.00980
1.199	8.094	.02410	.01030	-.01030	.00000	87.00000	-5.10380	.00580	-.01490
1.202	10.129	.02210	.01290	-.00780	.00000	87.00000	-5.09630	.00580	-.00980
1.202	12.152	.01980	.01280	-.01280	.00000	87.00000	-5.08880	.00580	-.00980
1.199	15.184	.02120	.01280	-.01280	-.01000	87.00000	-5.09630	.00580	-.01980
	GRADIENT	.00537	.00000	.00000	.00000	.00000	.00145	.00000	-.00000

RUN NO. 501/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00									
MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-08	AIL-08
1.402	-5.088	-.03490	.01720	.00150	.00000	87.00000	-5.08130	.01430	.00030
1.401	-.032	-.00540	.01760	.00190	.01940	87.00000	-5.05890	.01000	.00540
1.400	2.494	.00640	.01760	.00190	.00970	87.00000	-5.05140	.01000	.00540
1.400	5.077	.02870	.01500	-.00060	.00000	87.00000	-5.05140	.00580	.00030
1.403	7.183	.02560	.01040	-.00530	.00000	87.00000	-5.02890	.00580	-.00480
1.402	8.181	.02150	.01040	-.00030	.00000	87.00000	-5.02140	.01510	.00520
1.400	10.236	.02050	.01040	-.00530	.00000	87.00000	-5.00640	.00580	-.00480
1.397	12.227	.02580	.01500	-.00060	.00000	87.00000	-5.11880	.01000	.00030
1.394	15.280	.02620	.01500	-.00060	.00000	87.00000	-5.10380	.01000	.00030
	GRADIENT	.00467	.00000	-.00000	-.00384	.00000	.00297	.00000	-.00000

DATE 10 MAR 80

0A145 TABULATED FORCE DATA
AMES 118-1-11 0A145A 01

PAGE 1200
(C2F0C6) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA =
AILRON =
SPDBRK =
RN/L =
5.000 ELEVON = .000
.000 BDFLAP = .000
87.200 RUDDER = -5.000
5.000

RUN NO. 448/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.598	-6.016	5.17460	.02350	.00200	.00970	87.00000	-5.14870	.00990	.03700	-.00990	.01400
.597	-1.917	5.14700	.02350	.00200	.00970	87.00000	-5.16370	.00990	.03700	-.00990	.01400
.597	-.877	5.11190	.02350	.00200	.00970	87.00000	-5.16370	.00990	.03700	-.00990	.01400
.597	-.031	5.01910	.02350	.00200	.00970	87.00000	-5.16370	.00990	.03700	-.00990	.01400
.597	.510	5.14590	.02590	.00040	.00970	87.00000	-5.15620	.01490	.03700	-.01490	.01400
.597	1.020	5.19840	.02590	.00040	.00970	87.00000	-5.16370	.01490	.03700	-.01490	.01400
.597	2.085	5.20960	.02350	.00200	.00970	87.00000	-5.16370	.00990	.03700	-.00990	.01400
.597	3.128	5.19650	.02590	.00040	.00970	87.00000	-5.15620	.01490	.03700	-.01490	.01400
.597	4.161	5.19860	.02560	.00420	.00970	87.00000	-5.15620	.00990	.04130	-.00990	.01820
.597	6.218	5.19140	.01320	.01320	.00970	87.00000	-5.14870	.01490	.01150	-.01490	-.01150
.597	GRADIENT	.01823	.00036	.00011	.00000	.00000	.00123	.00028	.00047	-.00028	.00046

RUN NO. 465/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.903	-6.109	5.12340	.02000	.00560	.00000	87.00000	-5.11130	.03000	.01000	-.00960	.01500
.902	-1.952	5.10940	.01790	.00770	.00000	87.00000	-5.10380	.03000	.00580	-.00960	.00580
.902	-.904	5.03670	.02250	.00800	.00000	87.00000	-5.08880	.03500	.01000	-.01460	.00150
.903	.009	4.91870	.01750	.00810	.00000	87.00000	-5.11130	.02490	.01000	-.01470	.00150
.901	.663	4.99180	.01990	.01060	.00000	87.00000	-5.11130	.02990	.01000	-.01970	.00150
.902	1.171	5.03750	.01990	.01060	.00000	87.00000	-5.11880	.02990	.01000	-.01970	.00150
.902	2.216	5.00160	.01990	.01060	.00000	87.00000	-5.13380	.02990	.01000	-.01970	.00150
1.144	3.259	4.98590	.01990	.01060	.00000	87.00000	-5.14120	.02990	.01000	-.01970	.00150
.904	4.304	4.97240	.01740	.01310	.00000	87.00000	-5.14870	.02480	.01000	-.02480	.00150
.899	6.380	4.93290	.01990	.01060	.00000	87.00000	-5.17120	.02990	.01000	-.01970	.00150
.899	GRADIENT	-.01390	-.00015	-.00080	.00000	.00000	-.00901	-.00069	.00041	-.00203	.00042

RUN NO. 477/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.953	-6.085	5.02910	.01750	.00310	.00000	87.00000	-5.08880	.02500	.01000	-.00470	.01500
.953	-1.951	5.03270	.01750	.00310	.00000	87.00000	-5.12630	.02500	.01000	-.00470	.00150
.950	-.906	5.00550	.01750	.00310	.00000	87.00000	-5.12630	.02500	.01000	-.00470	.00150
.950	.151	4.97100	.01500	.00560	.00000	87.00000	-5.13380	.02000	.01000	-.00980	.00150
.950	.662	4.99150	.01500	.00560	.00000	87.00000	-5.13380	.02000	.01000	-.00980	.00150
.952	1.179	5.03010	.01710	.00350	.00000	87.00000	-5.13380	.02000	.01430	-.00980	.00270
.951	2.226	5.01340	.01710	.00350	.00000	87.00000	-5.14120	.02000	.01430	-.00980	.00270
.951	3.264	4.99380	.01710	.00350	.00000	87.00000	-5.16370	.02000	.01430	-.00980	.00270
.949	4.304	4.97490	.01460	.00610	.00000	87.00000	-5.16370	.01490	.01430	-.01490	.00270
.950	6.372	4.93950	.01460	.00610	.00000	87.00000	-.82280	.01490	.01430	-.01490	.00270
.950	GRADIENT	-.00509	-.00023	-.00024	.00000	.00000	-.00672	-.00136	.00091	-.00138	.00099

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

PAGE 1201

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(C2F0C6) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 87.200 RUDDER = -5.000
 RN/L = 5.000

RUN NO. 492/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.200	-6.075	5.06940	.01790	-.00770	.00970	87.00000	-5.08130	.03000	.00580	-.00960	-.00580
1.199	-1.943	5.04730	.01530	-.01020	.00000	87.00000	-5.12630	.02490	.00580	-.01470	-.00580
1.199	-.902	5.03200	.01530	-.01020	.00000	87.00000	-5.14120	.02490	.00580	-.01470	-.00580
1.198	.154	5.08510	.01530	-.01020	.00000	87.00000	-5.15620	.02490	.00580	-.01470	-.00580
1.198	.631	5.01820	.01530	-.01020	.00000	87.00000	-5.15620	.02490	.00580	-.01470	-.00580
1.198	1.151	5.01520	.01530	-.01020	.00000	87.00000	-5.17120	.02490	.00580	-.01470	-.00580
1.198	2.198	5.02330	.01530	-.01020	.00000	87.00000	-5.17870	.02490	.01430	-.01470	-.00270
1.198	3.245	5.00650	.01960	-.00600	.00000	87.00000	-5.18620	.02490	.01430	-.01470	-.00270
1.200	4.283	4.99660	.01960	-.00600	.00000	87.00000	-5.24610	.01980	.00580	-.01980	-.00580
1.198	6.355	4.97360	.01280	-.01280	.00000	87.00000	-.00927	.00000	.00149	-.00000	-.00149
1.198	GRADIENT	-.00884	.00075	.00074	.00000	.00000					

RUN NO. 502/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.403	-6.247	5.23510	.01290	-.00270	.00000	87.00000	-5.16370	.02010	.00580	-.00030	-.00580
1.405	-2.086	5.22350	.01250	-.00320	.00000	87.00000	-5.23110	.01500	.01000	-.00480	-.00150
1.404	-1.035	5.23320	.01250	-.00320	.00000	87.00000	-5.08880	.01500	.01000	-.00480	-.00150
1.403	.016	4.37030	.01040	-.00530	.00970	87.00000	-5.19370	.01500	.00580	-.00480	-.00580
1.403	.652	4.67610	.01040	-.00530	.00970	87.00000	-5.20120	.01500	.00580	-.00480	-.00580
1.403	1.215	5.12140	.00540	-.00540	.00970	87.00000	-5.20120	.00500	.00580	-.00500	-.00580
1.403	2.212	5.12160	.00790	-.00280	.00970	87.00000	-5.16370	.01000	.00580	-.00010	-.00580
1.403	3.275	5.10770	.01040	-.00030	.00970	87.00000	-5.15620	.01510	.00580	.00520	-.00580
1.401	4.322	5.09850	.01040	-.00030	.00000	87.00000	-5.17870	.01510	.00580	.00520	-.00580
1.401	6.409	5.07990	.01040	-.00030	.00000	87.00000	-5.21620	.01510	.00580	.00520	-.00580
1.401	GRADIENT	.00977	-.00045	.00059	.00060	-.00000	.00200	-.00020	-.00068	.00185	-.00070

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

PAGE 1202

AMES 118-1-11 OAI45A 01

(C2F0C7) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA =
AILRON =
SPDBRK =
RN/L =

5.000 ELEVON = .000
.000 BDFLAP = .000
87.200 RUDDER = -10.000
5.000

RUN NO. 449/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH .597 BETA -6.017
.597 -1.911
.597 -.872
.598 .035
.597 .508
.597 1.029
.597 2.093
.597 3.134
.597 4.166
.596 6.222
GRADIENT

ALPHA 5.17030
ELEVON .01030
AILRON -.01030
BOFLAP .00970
SPDBRK 87.00000
RUDDER -10.05400
ELV-IB .01490
AIL-IB -.00990
ELV-OB .00580
AIL-OB -.00580

ELVON .01030
AILRON -.00780
BOFLAP .00970
SPDBRK 87.00000
RUDDER -10.05400
ELV-IB .01490
AIL-IB -.00990
ELV-OB .00580
AIL-OB -.00580

ELVON .01030
AILRON -.01030
BOFLAP .00970
SPDBRK 87.00000
RUDDER -10.05400
ELV-IB .01490
AIL-IB -.00990
ELV-OB .00580
AIL-OB -.00580

ELVON .01030
AILRON -.01030
BOFLAP .00970
SPDBRK 87.00000
RUDDER -10.05400
ELV-IB .01490
AIL-IB -.00990
ELV-OB .00580
AIL-OB -.00580

RUN NO. 467/ 0

RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH .905 BETA -6.104
.902 -1.945
.902 -.903
.902 .143
.901 .679
.901 1.181
.902 2.266
.901 3.266
.900 4.307
.898 6.384
GRADIENT

ALPHA 5.01950
ELEVON .02040
AILRON -.01020
BOFLAP .00940
SPDBRK 87.00000
RUDDER -9.99980
ELV-IB .03500
AIL-IB -.01460
ELV-OB .00580
AIL-OB -.00580

ELVON .02040
AILRON -.01270
BOFLAP .00000
SPDBRK 87.00000
RUDDER -10.05400
ELV-IB .02990
AIL-IB -.01970
ELV-OB .00580
AIL-OB -.00580

ELVON .02040
AILRON -.01270
BOFLAP .00000
SPDBRK 87.00000
RUDDER -10.05400
ELV-IB .02990
AIL-IB -.01970
ELV-OB .00580
AIL-OB -.00580

ELVON .02040
AILRON -.01270
BOFLAP .00000
SPDBRK 87.00000
RUDDER -10.05400
ELV-IB .02990
AIL-IB -.01970
ELV-OB .00580
AIL-OB -.00580

RUN NO. 493/ 0

RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH 1.198 BETA -6.064
1.199 -1.936
1.200 -.895
1.197 .163
1.201 .638
1.199 1.156
1.200 2.206
1.199 3.252
1.200 4.288
1.197 6.359
GRADIENT

ALPHA 5.07590
ELEVON .01790
AILRON -.00770
BOFLAP .00970
SPDBRK 87.00000
RUDDER -10.05400
ELV-IB .03000
AIL-IB -.00960
ELV-OB .00580
AIL-OB -.00580

ELVON .01790
AILRON -.00770
BOFLAP .00970
SPDBRK 87.00000
RUDDER -10.05400
ELV-IB .03000
AIL-IB -.00960
ELV-OB .00580
AIL-OB -.00580

ELVON .01790
AILRON -.00770
BOFLAP .00970
SPDBRK 87.00000
RUDDER -10.05400
ELV-IB .03000
AIL-IB -.00960
ELV-OB .00580
AIL-OB -.00580

ELVON .01790
AILRON -.00770
BOFLAP .00970
SPDBRK 87.00000
RUDDER -10.05400
ELV-IB .03000
AIL-IB -.00960
ELV-OB .00580
AIL-OB -.00580

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

PAGE 1203

AMES 118-1-11 OAI45A 01

(C2F0C7) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BOFLAP = .000
SPOBRK = 87.200 RUDDER = -10.000
RN/L = 5.000

RUN NO. 503/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.402	-6.127	5.08170	.01500	-.00060	.00970	87.00000	-10.15200	.02010	.01000	.00030	-.00150
1.404	-1.969	5.06850	.01290	-.00270	.00000	87.00000	-10.19700	.02010	.00580	.00030	-.00580
1.404	-.917	5.05730	.01290	-.00270	.00000	87.00000	-10.20600	.02010	.00580	.00030	-.00580
1.405	.162	5.09370	.01290	-.00270	.00000	87.00000	-10.21500	.02010	.00580	.00030	-.00580
1.403	.647	5.09660	.01040	-.00030	.00000	87.00000	-10.08900	.01510	.00580	.00520	-.00580
1.402	1.166	5.06320	.01330	-.00310	.00000	87.00000	-10.04500	.01510	.01150	.00520	-.01150
1.401	2.224	5.04240	.00790	-.00280	.00000	87.00000	-9.94610	.01510	.00070	.00520	-.01080
1.401	3.276	5.02550	.01040	-.00030	.00970	87.00000	-9.88330	.01510	.00580	.00520	-.00580
1.402	4.321	5.01380	.01580	-.00560	.00970	87.00000	-10.09800	.02010	.01150	.00030	-.01150
1.401	6.412	4.98610	.01500	-.00060	.00000	87.00000	-10.13400	.02010	.01000	.00030	-.00150
GRADIENT	-.01008	-.00002	-.00017	-.00017	.00168	.00000	.04095	-.00046	.00042	.00045	-.00078

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

(C2F0C8) (08 JUL 77)

AMES 118-1-11 OAI45A 01

PARAMETRIC DATA

REFERENCE DATA

SREF =	2690.0000	SO.FT.	XMRP	=	1076.6800	IN. XO	ALPHA =	5.000	BETA =	.000
LREF =	474.8100	INCHES	YMRP	=	.0000	IN. YO	AILRON =	.000	BDFLAP =	-11.700
BREF =	936.6800	INCHES	ZMRP	=	375.0000	IN. ZO	SPDBRK =	25.000	RUDDER =	.000
SCALE =	.0500						RN/L =	5.000		

RUN NO. 792/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.598	-9.951	4.94270	.02680	-.00280	-11.64200	25.00000	-.10290	-9.94880	-9.95370	-.00820	.00250
.598	-7.948	4.98610	.02540	-.00550	-11.64200	25.00000	-.09620	-7.94570	-7.95050	-.00510	-.00600
.599	-5.953	5.02540	.02490	-.00540	-11.64200	25.00000	-.10230	-5.94980	-5.95530	-.00380	-.00700
.598	-3.940	5.06670	.02470	-.01020	-11.64200	25.00000	-.09620	-3.93500	-3.94570	-.01470	-.00570
.598	-2.937	5.08970	.02460	-.01390	-11.64200	25.00000	-.10290	-2.93420	-2.94010	-.01580	-.01190
.598	-1.950	5.11290	.02450	-.00340	-11.64200	25.00000	-.10230	-1.94600	-1.95470	-.00520	-.00170
.598	-.949	5.00750	.02520	-.00340	-11.64200	25.00000	-.09620	-.94730	-.95060	-.00220	-.00900
.598	.015	5.02810	.02500	-.00020	-11.64200	25.00000	-.10290	.03010	.00000	.00040	.00000
.598	1.012	5.01760	.02530	-.00960	-11.64200	25.00000	-.10230	1.01490	1.00960	-.00530	-.01390
.598	2.007	5.02550	.02530	-.00740	-11.64200	25.00000	-.10290	2.01680	1.99670	-.01320	-.00170
.598	3.011	5.04490	.02500	-.00580	-11.64200	25.00000	-.09620	3.01230	3.00900	-.01400	-.00420
.598	4.008	5.02690	.02550	-.00630	-11.64200	25.00000	-.09620	4.01010	4.00690	-.00830	-.00090
.598	6.004	5.03300	.02640	-.01570	-11.64200	25.00000	-.09620	6.00010	6.00760	-.03050	-.00090
.597	8.023	5.04160	.02650	-.01510	-11.64200	25.00000	-.09620	8.02090	8.02530	-.02460	-.00570
.597	10.015	5.06910	.02680	-.01570	-11.64200	25.00000	-.09620	10.01500	10.01500	-.02650	-.00490
	GRADIENT	-.00769	.00010	.00043	-.00000	.00000	.00023	.99988	1.00011	.00095	-.00009

RUN NO. 808/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.901	-9.953	4.95660	.03690	.01030	-11.64200	25.00000	-.10960	-9.94210	-9.96330	.01830	.00230
.900	-7.946	4.99050	.03680	-.00390	-11.64200	25.00000	-.10960	-7.95570	-7.93660	-.00530	-.00260
.900	-5.942	4.97260	.03540	-.00630	-11.64200	25.00000	-.10290	-5.94440	-5.94040	-.00920	-.00340
.899	-3.939	5.00570	.03530	.00340	-11.64200	25.00000	-.10960	-3.94170	-3.93600	.01280	-.00600
.901	-2.943	5.02430	.03500	.00160	-11.64200	25.00000	-.10960	-2.92980	-2.95540	-.00010	.00340
.899	-1.940	4.99570	.03440	.00700	-11.64200	25.00000	-.10960	-1.93550	-1.94430	.00520	.00870
.901	-.946	5.01350	.03440	.00480	-11.64200	25.00000	-.10960	-.94090	-.95060	.01870	-.00900
.901	.019	5.02780	.03450	.00450	-11.64200	25.00000	-.10960	.03010	.00850	.00040	.00850
.901	1.012	5.03260	.03430	-.00420	-11.63100	25.00000	-.10960	1.02000	1.00390	-.00020	-.00810
.900	2.003	5.05450	.03430	-.00470	-11.64200	25.00000	-.11640	2.02180	1.99700	-.01820	.00870
.900	3.023	5.03200	.03360	-.00790	-11.64200	25.00000	-.10960	3.02790	3.01900	-.00210	-.01370
.900	4.018	5.06160	.03340	-.01080	-11.64200	25.00000	-.10960	4.01930	4.01690	-.01750	-.00410
.899	6.018	5.12120	.03290	-.00650	-11.64200	25.00000	-.10960	6.02870	6.00760	-.01210	-.00090
.897	7.971	5.17800	.03290	-.05160	-11.64200	25.00000	-.10960	8.01450	7.99390	-.00920	-.00930
.899	10.005	5.23590	.03330	-.01240	-11.64200	25.00000	-.10960	10.01100	9.99940	-.02190	-.00280
	GRADIENT	.00643	-.00020	-.00198	.00018	-.00000	-.00023	1.00018	.99984	-.00323	-.00072

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DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

PAGE 1205

(C2F0C9) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 AILRON = .000 BOFLAP = 19.300
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 795/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	BETA	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.598	-9.943	4.93970	.03140	.00990	16.30800	25.00000	-1.0960	-9.93770	-9.94860	.00290	.01700
.598	-7.948	4.97790	.03140	-.00550	16.29800	25.00000	-.11640	-7.94570	-7.95050	-.00510	-.00600
.598	-5.945	4.99290	.03070	-.00360	16.29800	25.00000	-.10960	-5.94980	-5.94040	-.00380	-.00340
.599	-3.938	5.00560	.03020	-.01270	16.30800	25.00000	-.11640	-3.93500	-3.94070	-.01470	-.01070
.598	-2.945	5.00220	.03010	-.00550	16.30800	25.00000	-.11640	-2.94050	-2.95000	.00050	-.01160
.598	-1.953	5.00200	.02980	.00400	16.30800	25.00000	-.10960	-1.95090	-1.95420	-.00030	-.00820
.598	-.944	5.00790	.02960	-.00310	16.29800	25.00000	-.11640	-.93650	-.95060	.00290	-.00900
.599	.035	5.02800	.02940	-.00660	16.29800	25.00000	-.11640	.04510	.02580	-.00440	-.00880
.601	1.010	5.00340	.02940	-.00680	16.30800	25.00000	-.10960	1.01500	1.00510	.00490	-.01840
.599	2.012	5.00830	.02950	-.01250	16.30800	25.00000	-.11640	2.01150	2.01210	-.01850	-.00640
.598	3.016	5.01770	.02950	-.00580	16.30800	25.00000	-.10960	3.01730	3.01420	-.00270	-.00890
.598	4.013	5.02640	.02970	-.00600	16.30800	25.00000	-.10960	4.01470	4.01200	-.01290	.00090
.598	6.016	5.05520	.02960	-.00930	16.30800	25.00000	-.11640	6.01380	6.01880	-.00660	-.01200
.598	8.002	5.06900	.02930	-.01070	16.30800	25.00000	-.10960	8.00560	7.99850	-.01820	-.00310
.598	10.014	5.08040	.03030	-.00400	16.31800	25.00000	-.09620	10.01900	10.00800	-.02270	.01480
	GRADIENT	.00168	-.00008	-.00018	.00017	-.00800	.00068	.99963	1.00036	-.00062	.00027

RUN NO. 811/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	BETA	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.902	-8.949	3.82000	.00070	-.00050	16.31800	25.00000	-.13210	-9.94390	-9.95350	-.01320	.01210
.900	-7.938	5.00640	.04370	.00370	16.30800	25.00000	-.02870	-7.94040	-7.93660	.01000	-.00260
.900	-5.937	5.02510	.04280	-.00670	16.31800	25.00000	-.06240	-5.93950	-5.93470	-.00430	-.00900
.900	-3.937	5.03180	.04120	-.00230	16.31800	25.00000	-.10960	-3.91940	-3.95550	.00090	-.00550
.899	-2.943	5.01000	.03870	-.00340	16.30800	25.00000	-.10960	-2.93480	-2.95030	-.00510	-.00170
.901	-1.937	5.02460	.03920	.00450	16.30500	25.00000	-.10290	-1.93060	-1.94430	.00030	.00870
.900	-.936	5.03790	.03950	-.00050	16.30800	25.00000	-.10290	-.93150	-.94050	-.00220	.00110
.899	.016	5.05550	.04030	.00150	16.30800	25.00000	-.10960	.02000	.01280	-.00980	.01280
.900	1.015	5.08280	.04120	-.00740	16.30800	25.00000	-.10960	1.01500	1.01540	.00490	-.01960
.900	2.023	5.11050	.04180	-.00170	16.30800	25.00000	-.10960	2.03250	2.01240	-.00750	.00400
.899	3.026	5.14020	.04240	-.00540	16.30800	25.00000	-.10290	3.03290	3.01930	-.00710	-.00370
.900	4.013	5.10060	.03850	.00120	16.30800	25.00000	-.10290	4.01500	4.01200	-.00340	.00090
.896	6.009	5.15130	.03860	-.01130	16.30800	25.00000	-.10960	6.00440	6.01340	-.01600	-.00660
.899	8.009	5.20400	.03900	-.00880	16.30800	25.00000	-.10290	8.00740	8.01000	-.01370	-.00400
.899	10.007	5.25650	.04050	-.00530	16.31800	25.00000	-.10290	10.00200	10.01300	-.02110	.01040
	GRADIENT	.01481	.00012	-.00035	-.00057	.00000	.00045	.99887	1.00113	-.00053	-.00017

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

PAGE 1205

AMES 118-1-11 OAI45A 01

(C2F000) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO.

793/ 0

RN/L =

4.99

GRADIENT INTERVAL =

-5.00/ 5.00

MACH	ELEVON	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.599	-9.943	-.09130	-.00580	.01010	-11.64200	25.00000	-.09620	-9.94390	.00780	.01230
.599	-7.950	-.05440	-.00530	-.00280	-11.57700	25.00000	-.10960	-7.94950	.00990	-.01560
.599	-5.940	-.08800	-.00200	-.00400	-11.64200	25.00000	-.09620	-5.93570	-.00920	-.00130
.599	-3.931	-.04700	-.00030	.00010	-11.64200	25.00000	-.09620	-3.93120	.00140	-.00120
.599	-2.947	-.04100	-.00520	-.01370	-11.64200	25.00000	-.10290	-2.95510	-.02080	-.00650
.599	-1.943	-.04820	-.00510	-.00070	-11.64200	25.00000	-.09620	-1.94950	-.00490	-.00350
.599	-.938	-.02810	-.00450	.00230	-11.64200	25.00000	-.09620	-.94550	.00860	-.00390
.599	.017	-.04530	-.00450	-.00270	-11.64200	25.00000	-.09620	.00430	-.00960	.00430
.599	1.009	-.03950	-.00420	-.00730	-11.64200	25.00000	-.10960	1.01420	-.00530	-.00930
.599	2.012	-.04120	-.00400	-.00730	-11.64200	25.00000	-.10960	2.00710	-.01320	-.00140
.598	3.021	-.02100	-.00400	-.00580	-11.64200	25.00000	-.10960	3.01450	-.01270	-.00110
.599	4.031	-.02510	-.00330	-.00880	-11.64200	25.00000	-.10960	3.99680	-.01330	-.00440
.599	6.039	-.00900	-.00280	-.01620	-11.64200	25.00000	-.10960	6.01340	-.02580	-.00660
.599	8.018	-.02860	-.00260	-.01490	-11.64200	25.00000	-.10960	8.02040	-.02910	-.00080
.599	10.015	-.02380	-.00150	-.01160	-11.64200	25.00000	-.10960	10.01000	-.02270	-.00060
	GRADIENT	.00253	-.00009	-.00058	-.00000	.00000	-.00158	1.00009	-.00109	-.00009

ALPHA =
 AILRON =
 SPDBRK =
 RN/L =

BETA =
 BDFLAP =
 RUDDER =

PARAMETRIC DATA

RUN NO.

809/ 0

RN/L =

5.02

GRADIENT INTERVAL =

-5.00/ 5.00

MACH	ELEVON	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.902	-9.941	-.11410	-.00500	.00790	-11.64200	25.00000	-.17690	-9.94880	.00840	.00740
.902	-7.951	-.07740	-.00450	.00200	-11.63100	25.00000	-.11640	-7.95050	.00990	-.00600
.902	-5.945	-.03670	-.00340	-.00850	-11.64200	25.00000	-.08270	-5.95070	-.01460	-.00240
.901	-3.935	.00510	-.00310	-.00500	-11.64200	25.00000	-.08270	-3.94570	-.00430	-.00570
.901	-2.940	.02910	-.00190	-.00100	-11.64200	25.00000	-.08270	-2.94550	-.00510	-.00310
.901	-1.948	.05210	-.00110	.00420	-11.64200	25.00000	-.08270	-1.94570	.00490	-.00350
.901	-.938	.07650	-.00010	.00220	-11.64200	25.00000	-.07590	-.94020	.01360	-.00330
.901	.019	.09580	.00100	.00910	-11.64200	25.00000	-.07590	.01280	.00540	-.01280
.901	1.014	.11170	.00150	.00250	-11.64200	25.00000	-.08940	1.01870	.00480	-.00480
.901	2.007	-.02790	-.00100	-.00740	-11.64200	25.00000	-.10290	1.99670	-.01320	-.00170
.901	3.016	-.01870	-.00130	-.00070	-11.64200	25.00000	-.09620	3.00450	-.00210	-.00080
.901	4.016	-.00780	-.00150	.00150	-11.64200	25.00000	-.09620	4.01210	-.00800	.01090
.900	6.004	-.05170	-.00150	.00150	-11.64200	25.00000	-.09620	5.99780	-.02110	-.01070
.901	8.016	-.02550	-.00110	-.00730	-11.64200	25.00000	-.09620	8.01150	-.01470	-.00010
.901	10.005	-.01540	.00040	-.01220	-11.64200	25.00000	-.09620	10.00400	-.01720	-.00720
	GRADIENT	-.00539	.00017	-.00002	-.00000	.00000	-.00249	.99996	-.00093	.00090

ALPHA =
 AILRON =
 SPDBRK =
 RN/L =

BETA =
 BDFLAP =
 RUDDER =

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

PAGE 1207

AMES 118-1-11 OAI45A 01

(C2F001) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. X0
 LREF = 474.8100 INCHES YMRP = .0000 IN. Y0
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. Z0
 SCALE = .0500

RUN NO. 796/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	BETA	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.599	-9.949	-.09840	-.00200	-.00010	16.30800	25.00000	-.10960	-9.94330	-9.95370	-.00270	AIL-0B
.599	-7.963	-.09160	-.00230	-.00480	16.30800	25.00000	-.11640	-7.96070	-7.96440	-.00030	-.00250
.599	-5.945	-.07690	-.00160	-.00360	16.30800	25.00000	-.11640	-5.94980	-5.94040	-.00380	-.00930
.600	-3.941	-.05100	-.00490	-.00070	16.30800	25.00000	-.11640	-3.93600	-3.94570	-.00710	-.00340
.599	-2.945	-.04450	-.00590	-.00590	16.30800	25.00000	-.11640	-2.93980	-2.95030	-.01010	-.00570
.599	-1.945	-.03810	-.00610	-.00170	16.30800	25.00000	-.10960	-1.93060	-1.95940	-.00030	-.00170
.599	-.949	-.03710	-.00570	-.00350	16.30800	25.00000	-.11640	-.95230	-.94520	-.00730	-.00300
.598	.014	-.03670	-.00530	-.00060	16.30800	25.00000	-.11640	.02000	.00850	-.00980	-.01430
.598	1.009	-.01980	-.00490	-.00660	16.30800	25.00000	-.10960	1.01490	1.00270	-.01540	-.00850
.598	2.012	-.02040	-.00510	-.01250	16.30800	25.00000	-.11640	2.01680	2.00680	-.01320	-.02220
.598	3.013	-.03090	-.00410	-.01380	16.30800	25.00000	-.11640	3.01130	3.01420	-.01870	-.01180
.598	4.009	-.01510	-.00340	-.01110	16.30800	25.00000	-.11640	4.00020	4.01690	-.01820	-.00890
.599	6.016	-.01720	-.00290	-.00380	16.30800	25.00000	-.11640	6.01890	6.01250	-.01170	-.00410
.598	8.013	-.02070	-.00260	-.00930	16.30800	25.00000	-.10960	8.01000	8.01640	-.01370	-.00400
.598	10.013	-.01380	-.00110	-.00430	16.30800	25.00000	-.11640	10.00700	10.01900	-.02570	-.00480
GRADIENT		.00398	.00024	-.00172	.00000	.00000	-.00011	.99861	1.00137	-.00296	-.00048

RUN NO. 812/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	BETA	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.896	-9.953	-.10040	.02270	.00510	16.31800	25.00000	-.09620	-9.94760	-9.96820	.01280	AIL-0B
.902	-7.953	-.06200	.02370	-.00060	16.31800	25.00000	-.10290	-7.95560	-7.95050	.00480	-.00260
.902	-5.937	-.05690	.02760	-.00670	16.31800	25.00000	-.09620	-5.93950	-5.93470	-.00430	-.00600
.901	-3.935	-.06140	.02740	-.00470	16.31800	25.00000	-.10290	-3.93030	-3.94070	.00140	-.00900
.900	-2.930	-.04860	.02680	-.01150	16.31800	25.00000	-.09620	-2.92920	-2.93020	-.01080	-.01070
.901	-1.943	-.02680	.02730	-.00070	16.31800	25.00000	-.08940	-1.93590	-1.94950	-.00490	-.00350
.901	-.935	-.04420	.02470	.00500	16.31800	25.00000	-.08940	-.92580	-.94580	.00350	-.00650
.900	.017	-.02560	.02590	.00190	16.31800	25.00000	-.08940	.02500	.00850	-.00470	-.00850
.900	1.009	-.00410	.02610	-.00640	16.31800	25.00000	-.08940	1.02000	.99810	-.01030	-.00240
.899	2.017	.01500	.02660	-.00190	16.31800	25.00000	-.08940	2.02180	2.01270	-.01820	-.01440
.900	3.018	.03110	.02690	-.00810	16.31800	25.00000	-.08940	3.02790	3.00900	-.00210	-.01400
.900	4.009	.04590	.02720	-.00380	16.31800	25.00000	-.08270	4.01010	4.00720	-.00830	-.01590
.899	6.014	.08030	.02790	-.01650	16.31800	25.00000	-.08940	6.00350	6.01880	-.02110	-.01200
.899	8.013	-.00850	.02720	-.00010	16.31800	25.00000	-.08940	8.01450	8.01060	-.00920	-.00900
.900	10.023	.02510	.02990	-.01280	16.31800	25.00000	-.08940	10.02400	10.02100	-.02740	-.00170
GRADIENT		.01332	-.00001	.00051	-.00017	.00000	.00170	1.00014	.99987	-.00089	.00191

PARAMETRIC DATA

ALPHA = .000 BETA = .000
 AILRON = .000 BDFLAP = 16.300
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

PAGE 1208

AMES 118-1-11 0A145A 01

(C2F0D2) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. X0
LREF = 474.8100 INCHES YMRP = .0000 IN. Y0
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. Z0
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
AILRON = .000 BOFLAP = -11.700
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.00

RUN NO. 794/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH
.598
.598
.598
.598
.598
.598
.598
.598
.598
.598
GRADIENT
10.013
-.00684

ELEVON
-9.948
-7.956
-5.940
-3.936
-2.910
-1.942
-.936
-.018
1.014
2.015
3.006
4.011
5.011
6.014
8.014
10.013

ALPHA
10.04100
10.04500
10.06800
10.10100
10.10800
10.10300
10.13100
10.12100
10.04700
10.04600
10.06500
10.08100
10.06600
10.05000
10.07300
10.07300

BETA
.03070
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.02810
.02640
.02500
.02480
.02270
.02020
.01860
.01800
.01720
.01690
.01580
.01470
.01670
-.00133

AILRON
.00550
.00260
.00120
-.00490
-.04150
-.00440
-.00570
-.00310
-.00350
-.00460
-.00100
-.00130
-.00870
-.01429
-.02170
-.00230

BOFLAP
-11.64200
-11.64200
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-11.64200
-11.64200
-11.64200
-11.56600
-11.64200
-11.64200
-11.56600
-11.64200
-11.64200
-11.64200
-.00640

SPDBRK
25.00000
25.00000
25.00000
25.00000
25.00000
25.00000
25.00000
25.00000
25.00000
25.00000
25.00000
25.00000
25.00000
25.00000
25.00000
.00000

RUDDER
-.10960
-.10960
-.10960
-.11640
-.11640
-.11640
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-.10960
-.12310
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-.10960
-.12310
-.10960
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-.10960
-.00011

ELV-1B
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-5.94490
-3.93550
-2.87390
-1.94080
-.93150
-.02500
1.02510
2.02750
3.01230
4.01010
5.00980
6.01100
8.01100
10.00800

ELV-OB
-9.95860
-7.95540
-5.93570
-3.93600
-2.91520
-1.94430
-.94020
-.01000
1.00270
2.00170
2.99330
4.01210
5.00270
6.00270
8.01640
10.01900

AIL-1B
.01340
.00490
.00110
-.00380
-.07610
-.00000
-.03220
-.00470
-.00490
-.00250
-.00230
-.00830
-.01170
-.02370
-.03420
-.00366

AIL-OB
-.00240
-.00030
-.00130
-.00660
-.00680
-.00870
-.00930
-.00150
-.00220
-.00170
-.00430
-.00430
-.00290
-.00340
-.00480
-.00330

RUN NO. 810/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH

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.899
.900
.900
.899
.900
.900
.899
.900
.900
GRADIENT
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-.01144

ELEVON
-9.941
-7.952
-5.932
-3.937
-2.945
-1.940
-.939
-.012
1.007
2.015
3.016
4.006
6.012
8.023
10.014

ALPHA
10.12900
10.14000
10.15600
10.18300
10.19100
10.16700
10.18000
10.19100
10.21800
10.23200
10.25000
10.26700
10.20300
10.25400
10.19800
10.1144

BETA
.01910
.01910
.01880
.01770
.01740
.01900
.01850
.01860
.01770
.01780
.01710
.01720
.01880
.01800
.01860
-.00010

AILRON
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-.00660
-.01220
-.00740
-.00590
-.01200
-.00340
-.00280
-.00420
-.00580
-.00070
-.00120
-.01360
-.00620
-.00790
-.00062

BOFLAP
-11.63100
-11.64200
-11.64200
-11.64200
-11.64200
-11.64200
-11.64200
-11.64200
-11.64200
-11.64200
-11.63100
-11.63100
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-11.63100
-11.63100
-.00130

SPDBRK
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25.00000
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25.00000
25.00000
25.00000
25.00000
25.00000
25.00000
25.00000
25.00000
25.00000
25.00000
25.00000
.00000

RUDDER
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-.07590
-.06240
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-.08940
-.09620
-.08940
-.10290
-.08940
-.08940
-.08940
-.09620
-.00510

ELV-1B
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-2.93980
-1.94040
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-.02000
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2.03290
3.02790
4.01500
6.00950
8.03090
10.01100
1.00071

ELV-OB
-9.94910
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-5.92910
-3.95050
-2.95030
-1.93510
-.94050
-.00430
1.00390
1.99700
3.00450
3.99700
6.01340
8.01470
10.01700
-.99930

AIL-1B
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-.00020
-.00970
-.00430
-.01010
-.01010
-.00790
-.00980
-.00020
-.00290
-.00210
-.00340
-.02110
-.02560
-.02190
-.00035

AIL-OB
-.00210
-.01330
-.01470
-.01050
-.01390
-.00110
-.00430
-.00810
-.00870
-.00060
-.00570
-.00660
-.01340
-.02560
-.00610
-.00893

DATE 10 MAR 80

OAIWS TABULATED FORCE DATA
AMES 11B-1-11 OAI45A 01(C2F003) (08 JUL 77)
PAGE 1209

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
AILRON = .000 BDFLAP = 16.300
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 797/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.600	-9.951	10.06800	.02580	.00750	16.30800	25.00000	-.10290	-9.94270	-9.95840	.00780	.00720
.600	-7.943	10.11700	.02240	-.00600	16.30800	25.00000	-.10960	-7.95050	-7.93460	.00990	-.02180
.599	-5.940	10.10600	.02030	-.00380	16.30800	25.00000	-.10960	-5.93950	-5.94040	-.00430	-.00340
.599	-3.946	10.13200	.01850	.00020	16.30800	25.00000	-.11640	-3.93550	-3.95570	-.00380	.00430
.599	-2.943	10.13700	.02130	-.00350	16.30800	25.00000	-.10960	-2.93980	-2.94550	-.01010	.00310
.599	-1.940	10.13700	.01700	-.00190	16.31800	25.00000	-.08940	-1.93590	-1.94430	-.00490	.00870
.599	-.944	10.05500	.01690	-.00340	16.30800	25.00000	-.10960	-.94220	-.94550	-.00280	-.00390
.599	.026	10.04300	.01630	-.00590	16.30800	25.00000	-.10960	.03520	.01730	.00550	-.01730
.600	1.015	10.06300	.02330	-.00710	16.30800	25.00000	-.10290	1.02010	1.01080	.00990	-.02420
.600	2.020	10.04700	.02300	-.00440	16.30800	25.00000	-.10960	2.02220	2.01750	-.00780	-.00100
.599	3.016	10.06700	.02240	-.00600	16.30800	25.00000	-.10960	3.01680	3.01450	-.01320	.00110
.600	4.011	10.02500	.02220	-.00360	16.31800	25.00000	-.08270	4.01470	4.00700	-.01290	.00580
.600	6.014	10.03100	.02170	-.01150	16.30800	25.00000	-.10960	6.01420	6.01340	-.01640	-.00660
.599	8.009	10.03600	.02130	-.00880	16.30800	25.00000	-.10290	8.01000	8.00740	-.01370	-.00400
.599	10.012	10.02200	.02000	-.00930	16.30800	25.00000	-.10960	10.01500	10.01000	-.01810	-.00060
GRADIENT		-.01119	.00061	-.00065	.00034	.00000	.00170	.99947	1.00051	-.00066	-.00066

RUN NO. 813/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	BETA	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.899	-9.941	10.11700	.04280	.00320	16.30800	25.00000	-.10960	-9.93220	-9.94910	.00840	-.00210
.899	-7.953	10.13500	.04170	.00000	16.30800	25.00000	-.12310	-7.94550	-7.96010	.00490	-.00500
.900	-5.933	10.15500	.04210	.00340	16.31800	25.00000	-.11640	-5.92960	-5.93570	.00560	.00130
.898	-3.943	10.17300	.04120	-.00740	16.30800	25.00000	-.12310	-3.94070	-3.94570	-.00900	-.00570
.898	-2.940	10.14500	.03870	-.00070	16.31800	25.00000	-.12310	-2.94050	-2.94040	.00050	-.00200
.900	-1.942	10.15900	.03840	.00920	16.30800	25.00000	-.11640	-1.92540	-1.95890	.00560	.01290
.900	-.938	10.17200	.03820	.00250	16.31800	25.00000	-.09620	-.92580	-.95090	.00350	.00140
.900	.019	10.18500	.03740	.00450	16.30800	25.00000	-.08940	.03010	.00850	.00040	.00850
.901	1.014	10.16400	.04110	-.00190	16.31800	25.00000	-.05620	1.02000	1.00840	-.00320	-.00360
.899	2.017	10.18500	.04010	-.00190	16.31800	25.00000	-.10290	2.00200	2.00200	-.00750	.00370
.900	3.013	10.17900	.04140	-.00870	16.30800	25.00000	-.10290	3.02180	3.00450	-.01820	.00080
.900	4.011	10.18000	.04110	-.00360	16.31800	25.00000	-.09620	4.01470	4.00700	-.01290	.00580
.899	6.012	10.23100	.04040	-.01400	16.31800	25.00000	-.12310	6.00440	6.01980	-.01600	-.01200
.900	8.020	10.20100	.03870	-.00740	16.31800	25.00000	-.11640	8.01450	8.02530	-.00920	-.00570
.899	10.020	10.24500	.03900	-.01060	16.31800	25.00000	-.12310	10.02400	10.01700	-.02740	.00610
GRADIENT		.00287	.00023	-.00059	.00051	-.00000	.00328	1.00036	.99962	-.00170	.00052

AMES 118-1-11 0A145A 01

(C2F004) (08 JUL 77)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.
LREF	=	474.8100	INCHES
BREF	=	936.6800	INCHES
SCALE	=	.0500	

1076.6800	IN.	X0
.0000	IN.	Y0
375.0000	IN.	Z0

BETA	-
AILRON	-
SPDBRK	-
RN/L	-

ELEVON	=	5.000
BDFLAP	=	-11.700
RUDDER	=	.000

PARAMETRIC DATA

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RUN NO.      786/ 0      RN/L =  4.95      GRADIENT INTERVAL = -5.00/  5.00

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MACH	ALPHA	BETA	ELEVON	AILTRON	BDFLAP	SPOBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.586	-5.027	.01090	5.00500	-.00640	-11.65300	25.00000	-.11640	5.00390	5.00610	-.02240	.00960
.597	-.057	.01610	5.00500	-.00640	-11.65300	25.00000	-.12310	5.00390	5.00610	-.02240	.00960
.596	2.482	.01850	5.00230	-.00370	-11.65300	25.00000	-.12310	4.99860	5.00610	-.01700	.00960
.597	5.001	.04080	5.00230	-.00370	-11.65300	25.00000	-.12310	4.99860	5.00610	-.01700	.00960
.597	.04290	.04290	4.99990	-.00610	-11.65300	25.00000	-.11640	4.99860	5.00130	-.01700	.00480
.597	6.097	.04190	4.99990	-.00610	-11.65300	25.00000	-.12310	4.99860	5.00130	-.01700	.00480
.597	8.151	.04080	4.99990	-.00610	-11.65300	25.00000	-.11640	4.99860	5.00130	-.01700	.00480
.597	9.122	.03530	4.99700	-.00900	-11.65300	25.00000	-.12310	4.99860	5.00130	-.01700	.00480
.597	10.125	.04330	4.99990	-.00610	-11.65300	25.00000	-.11640	4.99860	5.00610	-.01700	.00960
.596	11.157	.04530	5.00230	-.00370	-11.65300	25.00000	-.11640	4.99270	5.00130	-.02290	.00480
.597	12.149	.04730	4.99700	-.00900	-11.65300	25.00000	-.11640	4.99860	5.00130	-.01700	.00480
.597	13.156	.04730	4.99990	-.00610	-11.65300	25.00000	-.11640	4.99860	5.00130	-.02290	.00480
.595	15.186	.06080	4.99700	-.00900	-11.65300	25.00000	-.11640	4.99270	5.00130	-.02290	.00000
CRUISE		.00095	-.00105	-.00105	.00000	.00000	-.00000	-.00209	.00000	-.00213	.00000

RUN NO.	807/ 0	RN/L =	4.98	GRADIENT INTERVAL =	-5.00/	5.00
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MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-0B	AIL-0B	AIL-1B	AIL-00
.902	-5.053	-.03940	5.00810	-.00940	-11.64200	25.00000	-.12310	5.01760	-.01700	-.00190	-.00190
.904	-.034	-.00680	5.00810	-.00940	-11.64200	25.00000	-.15000	5.01760	-.01700	-.00190	-.00190
.904	2.486	.00550	5.00810	-.00940	-11.64200	25.00000	.06920	5.01760	-.01700	-.00190	-.00190
.902	5.054	.03730	5.00810	-.00940	-11.64200	25.00000	.06920	5.01760	-.01700	-.00190	-.00190
.900	6.087	.02300	5.00570	-.01190	-11.64200	25.00000	-.06240	5.01280	-.01700	-.00670	-.00670
.902	7.092	.01440	5.00570	-.01190	-11.64200	25.00000	-.06240	5.01280	-.01700	-.00670	-.00670
.900	8.129	.01730	5.00570	-.01190	-11.64200	25.00000	-.12310	5.01280	-.01700	-.00670	-.00670
.900	9.149	.01580	5.00570	-.01190	-11.64200	25.00000	.13210	5.01280	-.01700	-.00670	-.00670
.899	10.167	.01300	5.00570	-.01190	-11.64200	25.00000	-.10960	5.01280	-.01700	-.00670	-.00670
.901	11.186	.01470	5.00300	-.00920	-11.64200	25.00000	.12310	5.01280	-.01700	-.00670	-.00670
.902	12.197	.01570	5.00010	-.00630	-11.64200	25.00000	-.10290	5.00700	-.01700	-.00100	-.00100
.900	13.205	.01320	5.00570	-.01190	-11.64200	25.00000	-.09620	5.01280	-.01700	-.00670	-.00670
.900	15.221	.02650	5.00040	-.01140	-11.63100	25.00000	-.14110	5.00220	-.01700	-.00580	-.00580
.903	GRADIENT	.00488	.00000	.00000	-.00000	.00000	.03205	.00000	-.00000	-.00000	-.00000

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OAI45 TABULATED FORCE DATA

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(C2F005) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = 5.000
AILRON = .000 BDFLAP = 16.300
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 798/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.600	-5.035	.00680	5.01350	-.00900	16.30800	25.00000	-.10290	5.01510	5.01190	-.02190	.00390
.600	-.041	.00270	5.01110	-.01140	16.30800	25.00000	-.10290	5.01510	5.00700	-.02190	-.00100
.598	2.488	.00630	5.00820	-.01430	16.30800	25.00000	-.10290	5.00930	5.00700	-.02770	-.00100
.597	4.997	.04400	5.00820	-.01430	16.30800	25.00000	-.09620	5.00930	5.00700	-.02770	-.00100
.599	6.052	.02570	5.01110	-.01140	16.30800	25.00000	-.10290	5.01510	5.00700	-.02190	-.00100
.598	7.084	.02270	5.00820	-.01430	16.30800	25.00000	-.10290	5.00930	5.00700	-.02770	-.00100
.599	8.113	.02020	5.01110	-.01140	16.30800	25.00000	-.10290	5.01510	5.00700	-.02190	-.00100
.598	9.124	.01990	5.00530	-.00570	16.32800	25.00000	-.06240	5.01510	5.00700	-.02190	-.00100
.599	10.122	.02040	5.01110	-.01140	16.30800	25.00000	-.10290	5.01510	5.00700	-.02190	-.00100
.599	11.157	.02120	5.01110	-.01140	16.30800	25.00000	-.10290	5.01510	5.00700	-.02190	-.00100
.599	12.174	.02130	5.01110	-.01140	16.30800	25.00000	-.10290	5.01510	5.00700	-.02190	-.00100
.599	13.177	.02090	5.01110	-.01140	16.30800	25.00000	-.10290	5.01510	5.00700	-.02190	-.00100
.598	15.178	.03340	5.01110	-.01140	16.30800	25.00000	-.10290	5.01510	5.00700	-.02190	-.00100
.598	GRADIENT	.00619	-.00058	-.00058	.00000	.00000	.00133	-.00115	.00000	-.00115	.00000

RUN NO. 816/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.899	-5.065	.01050	5.01330	-.01460	16.31800	25.00000	-.13210	5.01460	5.01190	-.03310	.00390
.899	-.034	.02260	5.01080	-.01700	16.32800	25.00000	-.05570	5.01460	5.00700	-.03310	-.00100
.899	2.521	.02600	5.00500	-.02190	16.32800	25.00000	-.04220	5.01460	4.99730	-.03310	-.01070
.900	5.065	.03430	5.00360	-.02430	16.31800	25.00000	-.10960	5.01460	4.99250	-.03310	-.01550
.898	6.084	.04500	5.00370	-.02450	16.31800	25.00000	-.05570	5.00930	4.99820	-.02770	-.02130
.903	7.108	.03720	5.00360	-.02430	16.31800	25.00000	.01170	5.01460	4.99250	-.03310	-.01550
.898	8.141	.03890	5.00360	-.02430	16.31800	25.00000	-.06240	5.01460	4.99250	-.03310	-.01550
.901	9.165	.03350	5.00330	-.01920	16.31800	25.00000	-.07590	5.00930	4.99730	-.02770	-.01070
.898	10.163	.03470	5.00090	-.02160	16.31800	25.00000	-.06240	5.00930	4.99250	-.02770	-.01550
.896	11.187	.03760	5.00090	-.02160	16.30800	25.00000	-.04220	5.00930	4.99250	-.02770	-.01550
.895	12.199	.04010	5.00060	-.02720	16.30800	25.00000	-.05570	5.00880	4.99250	-.03890	-.01550
.900	13.208	.03760	5.00060	-.02720	16.30800	25.00000	-.11640	5.00880	4.99250	-.03890	-.01550
.899	15.224	.05240	4.99820	-.02960	16.30800	25.00000	-.18590	5.00880	4.98760	-.03890	-.02040
.899	GRADIENT	.00133	-.00188	-.00192	.00000	.00000	.00528	.00000	-.00380	.00000	-.00380

OAI45 TABULATED FORCE DATA

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(C2F0D6) (08 JUL 77)

REFERENCE DATA

SREF = 2590.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 471.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000
AILRON = .000
SPOBRK = 25.000
RUDDER = 5.000

ELEVON = -5.000
BDFLAP = -11.700
RUDDER = .000

RUN NO. 787/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-1B	ELV-OB	AIL-1B	AIL-OB
.597	-5.085	.00190	-4.93860	-.00220	-11.65300	25.00000	-.12310	-4.93040	-4.94680	.01110	-.01550
.598	-.094	.01670	-4.94130	.00050	-11.65300	25.00000	-.12310	-4.93580	-4.94680	.01650	-.01550
.598	2.463	.01990	-4.94130	.00050	-11.65300	25.00000	-.12310	-4.93580	-4.94680	.01650	-.01550
.597	4.975	.04450	-4.94410	-.00230	-11.65300	25.00000	-.14110	-4.94140	-4.94680	.01100	-.01550
.597	6.010	.04810	-4.93860	-.00780	-11.57700	25.00000	-.12310	-4.93600	-4.94120	.00560	-.02120
.597	7.040	.05030	-4.94130	.00050	-11.65300	25.00000	-.12310	-4.93580	-4.94680	.01650	-.01550
.596	8.014	.04760	-4.94410	-.00230	-11.65300	25.00000	-.12310	-4.94140	-4.94680	.01100	-.01550
.596	9.038	.05740	-4.94370	-.00190	-11.65300	25.00000	-.12310	-4.93580	-4.95160	.01650	-.02030
.597	10.086	.05960	-4.94650	-.00470	-11.65300	25.00000	-.12310	-4.93580	-4.95160	.01650	-.02030
.598	11.092	.05870	-4.94370	-.00190	-11.65300	25.00000	-.12310	-4.94140	-4.96210	.01100	-.01950
.599	12.137	.05680	-4.95170	-.00420	-11.65300	25.00000	-.12310	-4.93580	-4.95640	.01650	-.02510
.598	13.130	.05370	-4.94610	-.00430	-11.65300	25.00000	-.12310	-4.93580	-4.95160	.01650	-.02030
.598	15.157	.07340	-4.94370	-.00190	-11.65300	25.00000	-.12310	-4.93580	-4.95160	.01650	-.02030
.598	GRADIENT	.00147	-.00055	-.00055	.00000	-.00000	.00000	-.00110	.00000	-.00108	.00000

RUN NO. 806/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-1B	ELV-OB	AIL-1B	AIL-OB
.902	-5.081	-.04540	-4.93930	-.00230	-11.64200	25.00000	-.12310	-4.92520	-4.95330	-.00520	.00060
.900	-.087	-.01220	-4.94210	.00050	-11.64200	25.00000	-.12310	-4.92520	-4.95900	-.00520	.00620
.904	2.432	.00300	-4.93880	-.00750	-11.64200	25.00000	-.11640	-4.92520	-4.95250	-.00520	-.00990
.900	4.985	.03330	-4.93930	-.00230	-11.65300	25.00000	-.10960	-4.92520	-4.95330	-.00520	.00060
.901	6.021	.02670	-4.94170	-.00470	-11.64200	25.00000	-.08940	-4.92520	-4.95810	-.00520	-.00420
.901	7.042	.01890	-4.93880	-.00750	-11.64200	25.00000	-.08270	-4.92520	-4.95250	-.00520	-.00990
.899	8.089	.01930	-4.93930	-.00230	-11.64200	25.00000	-.07590	-4.92520	-4.95330	-.00520	.00060
.900	9.108	.01370	-4.93640	-.00510	-11.64200	25.00000	-.08940	-4.92520	-4.94770	-.00520	.00060
.900	10.131	.01910	-4.94410	-.00710	-11.64200	25.00000	-.08940	-4.92520	-4.95330	-.00520	-.00510
.901	11.149	.01810	-4.94170	-.00470	-11.64200	25.00000	-.08940	-4.92520	-4.96290	-.00520	-.00900
.899	12.185	.02070	-4.94170	-.00470	-11.64200	25.00000	-.08940	-4.92520	-4.95810	-.00520	-.00420
.900	13.178	.02090	-4.95000	-.00200	-11.64200	25.00000	-.11640	-4.93610	-4.96380	-.00540	.00140
.900	15.213	.03330	-4.94450	-.00190	-11.64200	25.00000	-.10960	-4.92520	-4.96380	-.00520	.00140
.903	GRADIENT	.00898	.00055	-.00055	-.00217	-.00000	.00266	.00000	.00112	.00000	-.00109

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OAI45 TABULATED FORCE DATA

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(CF007) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = -5.000
 AILRON = .000 BDFLAP = 16.300
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 799/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.500	-5.058	-.01470	-4.92610	-.00510	16.32800	25.00000	-.06240	-4.92710	.00570	-.01600
.502	-.056	-.00220	-4.92390	-.00740	16.33900	25.00000	-.06920	-4.92270	.00570	-.02050
.508	2.453	.00470	-4.92550	-.00010	16.29800	25.00000	-.10960	-4.93160	.01130	-.01160
.508	4.959	.03880	-4.92830	-.00290	16.30800	25.00000	-.10960	-4.93160	.00570	-.01160
.509	5.990	.02890	-4.93110	-.00010	16.30800	25.00000	-.10960	-4.93720	.00570	-.00590
.509	7.022	.02830	-4.93110	-.00010	16.30800	25.00000	-.10290	-4.93720	.00570	-.00590
.600	8.032	.02340	-4.93400	-.00270	16.30800	25.00000	-.10290	-4.94290	.00570	-.00030
.600	9.073	.02830	-4.93400	-.00270	16.30800	25.00000	-.10290	-4.94290	.00570	-.00030
.599	10.110	.02880	-4.92850	-.00750	16.33900	25.00000	-.06240	-4.93190	.00570	-.02080
.599	11.124	.02610	-4.93350	-.00250	16.30800	25.00000	-.10960	-4.94200	.00570	-.01070
.599	12.139	.02980	-4.93350	-.00250	16.30800	25.00000	-.10960	-4.94200	.00570	-.01070
.598	13.145	.03030	-4.93350	-.00330	16.30800	25.00000	-.10960	-4.93640	.00570	-.01640
.598	15.159	.04170	-4.93070	-.00090	16.30800	25.00000	-.00806	-.00178	.00000	-.00178
	GRADIENT	.00817	-.00088	.00090	-.00618	.00000				

RUN NO. 817/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.899	-5.110	-.00430	-4.93610	-.00480	16.31800	25.00000	-.09620	-4.95250	.00030	-.00990
.900	-.086	.02340	-4.97660	.03570	16.31800	25.00000	-.06240	-4.95250	.08130	-.00990
.899	2.453	.03450	-4.97940	.03860	16.31800	25.00000	-.06920	-4.95810	.08130	-.00420
.897	5.014	.04050	-4.97900	.03330	16.31800	25.00000	-.04900	-4.95730	.08130	-.01470
.897	6.059	.04690	-4.97610	.03050	16.31800	25.00000	-.02870	-4.95160	.08130	-.02030
.898	7.086	.03990	-4.97370	.03290	16.31800	25.00000	-.13210	-4.94680	.08130	-.01550
.897	8.115	.04190	-4.97900	.03330	16.31800	25.00000	-.15900	-4.95730	.08130	-.01470
.898	9.134	.04100	-4.97370	.03290	16.31800	25.00000	-.13210	-4.94680	.08130	-.01550
.898	10.144	.04200	-4.97370	.03290	16.31800	25.00000	-.11640	-4.94680	.08130	-.01550
.901	11.178	.04450	-4.97370	.03290	16.30800	25.00000	-.15000	-4.94680	.08130	-.01550
.897	12.180	.04530	-4.97370	.03290	16.30800	25.00000	-.10290	-4.94680	.08130	-.01550
.896	13.188	.04630	-4.97370	.03290	16.30800	25.00000	-.09620	-4.94680	.08130	-.01550
.900	15.212	.05730	-4.97900	.03330	16.30800	25.00000	-.02200	-4.95730	.08130	-.01470
	GRADIENT	.00437	-.00110	.00114	.00000	.00000	-.00269	-.00221	.00000	.00224

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0A145 TABULATED FORCE DATA

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(C2F008) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = 5.000 AILIRON = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO.		790/ 0	RN/L =	4.98	GRADIENT INTERVAL =	-5.00/	5.00				
MACH	BOFLAP	ALPHA	BETA	ELEVON	AILRON	SPOBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.597	-11.642	5.01250	.02600	5.00260	-.01460	25.00000	-.09620	4.99810	5.00700	-.02820	-.00100
.598	-7.950	5.01740	.02610	5.00260	-.01460	25.00000	-.09620	4.99810	5.00700	-.02820	-.00100
.597	-5.938	5.01940	.02610	5.00260	-.01460	25.00000	-.10290	4.99810	5.00700	-.02820	-.00100
.598	-3.961	5.02280	.02620	5.00260	-.01460	25.00000	-.10960	4.99810	5.00700	-.02820	-.00100
.597	-1.940	5.02450	.02620	5.00260	-.01460	25.00000	-.10290	4.99810	5.00700	-.02820	-.00100
.597	.010	5.02790	.02630	5.00260	-.01460	25.00000	-.09620	4.99810	5.00700	-.02820	-.00100
.597	2.008	5.03130	.02640	5.00260	-.01700	25.00000	-.09620	4.99810	5.00220	-.02820	-.00580
.597	4.007	5.03650	.02630	5.00010	-.01700	25.00000	-.09620	4.99810	5.00700	-.02820	-.00100
.597	6.010	5.04200	.02630	5.00260	-.01460	25.00000	-.10290	4.99810	5.00220	-.02820	-.00580
.597	8.030	5.04760	.02610	5.00010	-.01700	25.00000	-.10290	4.99810	5.00220	-.02820	-.00100
.597	12.020	5.05970	.02580	5.00010	-.01700	25.00000	-.10290	4.99810	5.00220	-.02820	-.00580
.597	16.308	5.07310	.02550	5.00010	-.01700	25.00000	-.10960	4.99810	5.00220	-.02820	-.00580
.597	22.528	5.03560	.02660	5.00010	-.00024	25.00000	-.00169	4.99810	5.00220	-.02820	-.00580
	GRADIENT	.00172	.00002	-.00025	-.00024	-.00000	.00169	.00000	-.00048	-.00000	-.00048

RUN NO.		804/ 0	RN/L =	5.00	GRADIENT INTERVAL =	-5.00/	5.00				
MACH	BOFLAP	ALPHA	BETA	ELEVON	AILIRON	SPOBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.903	-11.642	5.06610	.03520	4.99800	-.01380	25.00000	-.09620	4.99860	4.99730	-.01700	-.01070
.902	-7.940	5.07200	.03540	5.00040	-.01140	25.00000	-.09620	4.99860	5.00220	-.01700	-.00580
.901	-5.927	5.07640	.03540	5.00040	-.01140	25.00000	-.10290	4.99860	5.00220	-.01700	-.00580
.902	-3.950	5.02640	.03360	5.00040	-.01140	25.00000	-.10960	4.99860	5.00220	-.01700	-.00580
.902	-1.931	5.03160	.03380	5.00330	-.00850	25.00000	-.10960	5.00440	5.00220	-.01120	-.00580
.902	.029	5.03850	.03400	5.00040	-.01140	25.00000	-.11640	4.99860	5.00220	-.01700	-.00580
.901	2.017	5.04280	.03410	5.00040	-.01140	25.00000	-.12310	4.99860	5.00220	-.01700	-.00580
.902	4.007	5.02000	.03330	5.00040	-.01140	25.00000	-.12310	4.99860	5.00220	-.01700	-.00580
.902	6.000	5.02660	.03330	5.00040	-.01140	25.00000	-.12310	4.99860	5.00220	-.01700	-.00580
.901	8.030	5.03360	.03340	5.00040	-.01140	25.00000	-.12310	4.99860	5.00220	-.01700	-.00580
.901	12.009	5.05190	.03380	4.99800	-.01380	25.00000	-.12310	4.99860	4.99730	-.01700	-.01070
.901	16.308	5.05500	.03360	4.99800	-.01380	25.00000	-.12310	4.99860	4.99730	-.01700	-.00580
.901	22.537	5.02930	.03270	5.00040	-.01140	25.00000	-.12310	4.99860	5.00220	-.01700	-.00580
.899	GRADIENT	-.00008	-.00002	-.00014	-.00014	-.00000	-.00204	-.00029	-.00000	-.00029	-.00000

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OAI45 TABULATED FORCE DATA

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(C2F009) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = -5.000 AILRON = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

MACH	BOFLAP	ALPHA	BETA	ELEVON	AILRON	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.599	-11.642	4.96670	.02540	-4.93870	-.00770	25.00000	-.09620	-4.93060	-4.94680	.00020	-.01550
.598	-7.940	4.97300	.02540	-4.93870	-.00770	25.00000	-.10290	-4.93060	-4.94680	.00020	-.01550
.598	-5.938	4.97600	.02520	-4.94150	-.00480	25.00000	-.10290	-4.93060	-4.95250	.00020	-.00990
.598	-3.903	4.97950	.02520	-4.93590	-.01050	25.00000	-.10290	-4.93060	-4.94120	.00020	-.02120
.598	-1.871	4.98390	.02520	-4.93370	-.01270	25.00000	-.10290	-4.93060	-4.93670	.00020	-.02560
.598	.029	4.98820	.02520	-4.93590	-.01050	25.00000	-.10290	-4.93060	-4.94120	.00020	-.02120
.598	2.027	4.99260	.02500	-4.93590	-.01050	25.00000	-.10290	-4.93060	-4.94120	.00020	-.02120
.598	3.996	4.99810	.02470	-4.94150	-.00480	25.00000	-.10290	-4.93060	-4.95250	.00020	-.00990
.598	6.000	5.00370	.02450	-4.94150	-.00480	25.00000	-.10290	-4.93060	-4.95250	.00020	-.00990
.598	8.020	5.00930	.02460	-4.93870	-.00770	25.00000	-.10290	-4.93060	-4.94680	.00020	-.01550
.598	11.999	5.02070	.02460	-4.93870	-.00770	25.00000	-.10290	-4.93060	-4.94680	.00020	-.01550
.598	16.547	5.03340	.02490	-4.94150	-.00480	25.00000	-.10290	-4.93060	-4.95250	.00020	-.00990
.598	22.547	5.05310	.02470	-4.93870	-.00770	25.00000	-.10290	-4.93060	-4.94680	.00020	-.01550
.598	GRADIENT	.00233	-.00006	-.00068	.00069	-.00000	-.00069	-.00000	-.00137	-.00000	-.00137

MACH	BOFLAP	ALPHA	BETA	ELEVON	AILRON	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.902	-11.631	4.90060	.03520	-4.93960	.00280	25.00000	-.11640	-4.93060	-4.94850	.00020	.00540
.902	-7.940	4.90720	.03530	-4.93960	.00280	25.00000	-.11640	-4.93060	-4.94850	.00020	.00540
.902	-5.948	4.91040	.03540	-4.93960	.00280	25.00000	-.11640	-4.93060	-4.94850	.00020	.00540
.901	-3.940	4.97190	.03650	-4.93960	.00280	25.00000	-.11640	-4.93060	-4.94850	.00020	.00540
.902	-1.940	4.97670	.03650	-4.93670	.00000	25.00000	-.12310	-4.93060	-4.94290	.00020	-.00030
.902	.010	4.97930	.03630	-4.93910	-.00240	25.00000	-.12310	-4.93060	-4.94770	.00020	-.00510
.901	1.998	4.98430	.03650	-4.93910	-.00240	25.00000	-.12310	-4.93060	-4.94770	.00020	-.00510
.902	3.996	4.99030	.03670	-4.93910	-.00240	25.00000	-.12310	-4.93060	-4.94770	.00020	-.00510
.901	6.010	4.99540	.03630	-4.94200	.00040	25.00000	-.12310	-4.93060	-4.94330	.00020	.00060
.901	8.000	4.99870	.03640	-4.94470	.00040	25.00000	-.12310	-4.93060	-4.94330	.00020	.00060
.901	14.000	5.01170	.03640	-4.94100	.00040	25.00000	-.12310	-4.93060	-4.94330	.00020	.00060
.900	16.308	5.02110	.03640	-4.94200	.00040	25.00000	-.11640	-4.93060	-4.95330	.00020	.00060
.899	22.528	5.03380	.03650	-4.93920	-.00790	25.00000	-.12310	-4.93070	-4.94770	-.01070	-.00510
.899	GRADIENT	.00224	.00002	-.00007	-.00065	.00000	-.00034	-.00000	-.00016	-.00000	-.00130

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(CEFOE0) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = -11.700 SPD8RK = 25.000
 RN/L = 5.000

RUN NO. 788/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPD8RK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.598	-14.976	4.99640	.04560	.01960	-.00520	-11.64200	25.00000	.03500	.00430	-.01460	.00430
.597	-10.736	4.99580	.04190	.01710	-.00270	-11.64200	25.00000	.03000	.00430	-.00960	.00430
.597	-4.939	4.99550	.03790	.01960	-.00520	-11.65300	25.00000	.03500	.00430	-.01460	.00430
.597	-2.442	4.99590	.03570	.01710	-.00270	-11.65300	25.00000	.03000	.00430	-.00960	.00430
.598	-1.089	4.99740	.03340	.01710	-.00270	-11.65300	25.00000	.03000	.00430	-.00960	.00430
.598	2.522	4.99800	.02960	.01960	-.00520	-11.65300	25.00000	.03500	.00430	-.01460	.00430
.598	5.005	4.99820	.02670	.01960	-.00520	-11.65300	25.00000	.03500	.00430	-.01460	.00430
.597	10.011	4.99800	.02230	.01960	-.00520	-11.65300	25.00000	.03500	.00430	-.01460	.00430
.598	15.031	4.99930	.01790	.01960	-.00520	-11.65300	25.00000	.03500	.00430	-.01460	.00430
.597	18.134	5.00060	.01560	.01960	-.00520	-11.64200	25.00000	.03500	.00430	-.01460	.00430
.597	22.649	5.00130	.01250	.01960	-.00520	-11.64200	25.00000	.03500	.00430	-.01460	.00430
	GRADIENT	.00036	-.00110	.00000	-.00000	-.00000	.00000	.00001	.00000	-.00001	.00000

RUN NO. 803/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPD8RK	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.902	-14.976	4.99750	.05000	.02070	-.01140	-11.63100	25.00000	.02000	.02150	-.00980	.01300
.902	-10.745	4.99860	.04670	.01790	-.00850	-11.63100	25.00000	.02000	.01580	-.00980	.00730
.902	-4.939	5.00860	.04340	.02070	-.01140	-11.64200	25.00000	.02000	.02150	-.00980	.01300
.902	-2.442	5.01110	.04070	.02070	-.01140	-11.63100	25.00000	.02000	.02150	-.00980	.01300
.902	-.096	5.01260	.03770	.02070	-.01140	-11.63100	25.00000	.02000	.02150	-.00980	.01300
.902	2.505	5.01000	.03350	.02330	-.00880	-11.63100	25.00000	.02500	.02150	-.00470	.01300
.902	5.014	5.00960	.03050	.02070	-.01140	-11.64200	25.00000	.02000	.02150	-.00980	.01300
.902	10.003	5.01320	.02580	.01790	-.00850	-11.64200	25.00000	.02000	.01580	-.00980	.00730
.902	15.005	5.01240	.02240	.02070	-.01140	-11.64200	25.00000	.02000	.02150	-.00980	.01300
.901	18.125	5.01270	.02000	.02070	-.01140	-11.63100	25.00000	.02500	.02150	-.00980	.01300
.902	22.602	5.01060	.01700	.02330	-.00880	-11.63100	25.00000	.02500	.02150	-.00470	.01300
	GRADIENT	.00022	-.00133	.00032	.00032	.00133	.00000	.00062	-.00000	.00063	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = 16.300 SPDBRK = 25.000
RN/L = 5.000

RUN NO. 800/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.600	-14.970	4.97430	.03860	.02470	-.00170	16.29800	25.00000	.02500	.02430	-.00470	.00120
.600	-10.754	4.97440	.03510	.02470	-.00170	16.29800	25.00000	.02500	.02430	-.00470	.00120
.600	-4.939	5.02170	.03110	.02470	-.00170	16.30800	25.00000	.02500	.02430	-.00470	.00120
.600	-2.442	5.02360	.02960	.02470	-.00170	16.30800	25.00000	.02500	.02430	-.00470	.00120
.600	-1.110	5.00140	.02820	.02470	-.00170	16.30800	25.00000	.02500	.02430	-.00470	.00120
.600	2.513	5.00100	.02470	.02470	-.00170	16.30800	25.00000	.02500	.02430	-.00470	.00120
.600	5.014	4.99970	.02280	.02470	-.00170	16.30800	25.00000	.02500	.02430	-.00470	.00120
.600	10.011	5.00110	.01900	.02470	-.00170	16.30800	25.00000	.02500	.02430	-.00470	.00120
.600	15.022	4.99140	.01560	.02470	-.00170	16.30800	25.00000	.02500	.02430	-.00470	.00120
.600	18.116	4.99100	.01310	.02470	-.00170	16.30800	25.00000	.02500	.02430	-.00470	.00120
.600	22.639	4.99200	.01000	.02470	-.00170	16.31800	25.00000	.02500	.02430	-.00470	.00120
.600	GRADIENT	-.00338	-.00084	.00000	.00000	.00000	.00000	-.00000	-.00000	.00000	-.00000

RUN NO. 814/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.900	-14.960	5.07080	.04690	.03260	-.00370	16.30800	25.00000	.04510	.02000	-.00440	-.00300
.900	-10.727	5.07010	.04420	.03260	-.00370	16.31800	25.00000	.04510	.02000	-.00440	-.00300
.900	-4.961	5.07050	.04120	.03240	-.00580	16.31800	25.00000	.04510	.01580	-.00440	-.00300
.901	-2.434	5.07030	.03960	.03260	-.00370	16.31800	25.00000	.04510	.02000	-.00440	-.00300
.900	-1.116	5.06080	.03630	.03260	-.00370	16.31800	25.00000	.04510	.02000	-.00440	-.00300
.900	2.513	5.06010	.03240	.03040	-.00580	16.31800	25.00000	.04510	.01580	-.00440	-.00300
.900	5.005	5.06010	.03040	.03040	-.00580	16.31800	25.00000	.04510	.01580	-.00440	-.00300
.900	10.003	5.06220	.02720	.03040	-.00580	16.31800	25.00000	.04510	.02000	-.00440	-.00300
.900	15.005	5.06320	.02370	.03260	-.00370	16.31800	25.00000	.04510	.02000	-.00440	-.00300
.901	18.125	5.06440	.02160	.03260	-.00370	16.32800	25.00000	.04510	.02000	-.00440	-.00300
.901	22.654	5.06220	.01890	.03260	-.00370	16.32800	25.00000	.04510	.02000	-.00440	-.00300
.901	GRADIENT	-.00154	-.00120	.00027	.00025	-.00000	.00000	-.00000	.00051	.00000	.00052

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OAI45 TABULATED FORCE DATA

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(C2F0E2) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BDFLAP = -11.700
 SPOBRK = 25.000 RUDDER = -5.000
 RN/L = 5.000

RUN NO. 789/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-08	AIL-1B	AIL-08
.597	-6.052	5.11220	.01220	.00230	-11.65300	25.00000	-4.98900	.00430	.00030	.00430
.597	-1.918	5.07810	.01220	.00230	-11.65300	25.00000	-4.96150	.00430	.00030	.00430
.597	-.870	4.96900	.01220	.00230	-11.65300	25.00000	-4.96150	.00430	.00030	.00430
.597	.034	4.86020	.01220	.00230	-11.64200	25.00000	-4.96150	.00430	.00030	.00430
.597	.648	5.01180	.01220	.00230	-11.65300	25.00000	-4.96150	.00430	.00030	.00430
.597	1.155	5.05750	.01220	.00230	-11.64200	25.00000	-4.96150	.00430	.00030	.00430
.597	2.192	5.00570	.01220	.00230	-11.64200	25.00000	-4.96150	.00430	.00030	.00430
.597	3.223	4.98760	.01220	.00230	-11.64200	25.00000	-4.96900	.00430	.00030	.00430
.597	4.257	4.97010	.01220	.00230	-11.64200	25.00000	-4.96900	.00430	.00030	.00430
.596	6.318	4.94180	.01220	.00230	-11.64200	25.00000	-4.96900	.00430	.00030	.00430
.596	8.361	4.92250	.01220	.00230	-11.64200	25.00000	-4.96900	.00430	.00030	.00430
	GRADIENT	-.00476	.00000	.00000	.00198	.00000	-.00079	.00000	.00000	.00000

RUN NO. 802/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-08	AIL-1B	AIL-08
.901	-6.123	5.02800	.00750	-.01890	-11.64200	25.00000	-4.93150	.01150	-.02620	-.01150
.902	-1.948	5.00970	.02070	-.01140	-11.64200	25.00000	-4.94650	.02150	-.00980	-.01300
.901	-.899	4.99350	.02070	-.01140	-11.64200	25.00000	-4.94650	.02150	-.00980	-.01300
.900	.160	4.87280	.02070	-.01140	-11.64200	25.00000	-4.94650	.02150	-.00980	-.01300
.901	.671	5.00700	.02070	-.01140	-11.64200	25.00000	-4.94650	.02150	-.00980	-.01300
.900	1.182	5.05350	.02070	-.01140	-11.64200	25.00000	-4.94650	.02150	-.00980	-.01300
.900	2.226	4.98390	.02070	-.01140	-11.64200	25.00000	-4.94650	.02150	-.00980	-.01300
.900	3.269	4.96700	.02070	-.01140	-11.64200	25.00000	-4.94650	.02150	-.00980	-.01300
.899	4.312	4.95020	.02070	-.01140	-11.64200	25.00000	-4.94650	.02150	-.00980	-.01300
.896	6.387	4.91470	.02070	-.01350	-11.64200	25.00000	-4.96900	.02150	-.00980	-.01300
.896	8.449	4.89510	.01860	-.01350	-11.64200	25.00000	-4.97650	.01730	-.00980	-.01730
	GRADIENT	-.00463	.00000	-.00000	-.00000	.00000	-.00198	.00000	-.00000	-.00000

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OAI45 TABULATED FORCE DATA

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(C2F0E3) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BDFLAP = 16.300
 SPOBRK = 25.000 RUDDER = -5.000
 RN/L = 5.000

RUN NO. 801/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.601	-6.038	5.02200	.02470	-.00170	16.30800	25.00000	-4.93900	.02500	.02430	-.00470	.00120
.601	-1.924	4.99910	.02470	-.00170	16.30800	25.00000	-4.93900	.02500	.02430	-.00470	.00120
.600	-.888	4.97630	.02470	-.00170	16.30800	25.00000	-4.93900	.02500	.02430	-.00470	.00120
.600	.033	4.89380	.02470	-.00170	16.30800	25.00000	-4.94650	.02500	.02430	-.00470	.00120
.600	.672	5.00360	.02470	-.00170	16.30800	25.00000	-4.94650	.02500	.02430	-.00470	.00120
.600	1.156	5.02610	.02470	-.00170	16.30800	25.00000	-4.94650	.02500	.02430	-.00470	.00120
.600	2.190	5.00700	.02470	-.00170	16.30800	25.00000	-4.94650	.02500	.02430	-.00470	.00120
.599	3.221	4.99090	.02470	-.00170	16.30800	25.00000	-4.94650	.02500	.02430	-.00470	.00120
.599	4.257	4.97620	.02470	-.00170	16.30800	25.00000	-4.95400	.02500	.02430	-.00470	.00120
.599	6.316	4.94680	.02470	-.00170	16.30800	25.00000	-4.95400	.02500	.02430	-.00470	.00120
.598	8.363	4.93520	.02470	-.00170	16.30800	25.00000	-4.95400	.02500	.02430	-.00470	.00120
.598	9.966	4.91940	.02470	-.00170	16.30800	25.00000	-4.95400	.02500	.02430	-.00470	.00120
.600	GRADIENT	.00249	.00000	-.00000	.00000	.00000	-.00203	.00000	.00000	-.00000	.00000

RUN 140. 815/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.899	-6.107	5.12310	.03040	-.00590	16.31800	25.00000	-4.93900	.04510	.01580	-.00440	-.00730
.899	-1.944	5.10840	.02790	-.00840	16.31800	25.00000	-4.94650	.04000	.01580	-.00950	-.00730
.899	-.901	5.08020	.02790	-.00840	16.31800	25.00000	-4.94650	.04000	.01580	-.00950	-.00730
.900	.122	4.91250	.03000	-.00620	16.32800	25.00000	-4.95400	.04000	.02000	-.00950	-.00300
.899	.699	5.12540	.02790	-.00840	16.32800	25.00000	-4.95400	.04000	.01580	-.00950	-.00730
.899	1.181	5.10160	.03000	-.00620	16.31800	25.00000	-4.95400	.04000	.02000	-.00950	-.00300
.899	2.217	5.06820	.03000	-.00620	16.31800	25.00000	-4.95400	.04000	.02000	-.00950	-.00300
.898	3.259	5.05190	.03000	-.00620	16.32800	25.00000	-4.95400	.04000	.02000	-.00950	-.00300
.898	4.299	5.03680	.02790	-.00840	16.32800	25.00000	-4.96900	.04000	.01580	-.00950	-.00730
.898	6.371	5.01210	.02790	-.00840	16.32800	25.00000	-4.97650	.04000	.01580	-.00950	-.00730
.894	8.429	4.99860	.02790	-.00840	16.32800	25.00000	-4.95400	.04000	.01580	-.00950	-.00730
.895	10.480	5.01180	.02790	-.00840	16.32800	25.00000	-4.96150	.04000	.01580	-.00950	-.00730
	GRADIENT	-.00488	.00016	.00017	.00128	.00000	-.00281	.00000	.00032	-.00000	.00033

OAI45 TABULATED FORCE DATA

AMES 118-1-11 OAI45A 01

DATE 10 MAR 80

(C2F0E4) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA =
ELEVON =
SPDBRK =
RU/L =
5.000 BETA =
.000 AILRON =
.000 RUDDER =
5.000

		RUN NO. 656/ 0		RN/L = 4.99		GRADIENT INTERVAL = -5.00/ 5.00			
MACH	BOFLAP	ALPHA	BETA	ELEVON	AILRON	SPDBRK	RUDDER	ELV-IB	AIL-IB
.598	-11.653	4.97390	.02780	.01460	-.00520	.00000	-.10960	.00430	-.01470
.598	-7.940	4.97930	.02780	.01460	-.00520	.00000	-.10960	.00430	-.01470
.598	-5.927	4.98160	.02780	.01250	-.00740	.00000	-.10960	.00000	-.01470
.598	-3.950	4.98780	.02770	.01460	-.00520	.00000	-.10960	.00430	-.01470
.599	-1.950	4.99100	.02760	.01460	-.00520	.00000	-.10960	.00430	-.01470
.598	.010	4.99350	.02740	.01460	-.00520	.00000	-.10960	.00430	-.01470
.598	1.998	4.99810	.02760	.01460	-.00520	.00000	-.10960	.00430	-.01470
.598	3.996	5.00170	.02760	.01460	-.00520	.00000	-.10960	.00430	-.01470
.598	6.020	5.00670	.02770	.01460	-.00520	.00000	-.10960	.00430	-.01470
.598	8.010	5.01130	.02740	.01460	-.00520	.00000	-.10960	.00430	-.01470
.598	11.999	5.02190	.02710	.01460	-.00520	.00000	-.10960	.00430	-.01470
.598	16.308	5.03390	.02690	.01250	-.00740	.00000	-.10960	.00000	-.01470
.598	22.547	5.05530	.02700	.01250	-.00740	.00000	-.10960	.00000	-.01470
	GRADIENT	.00176	-.00001	-.00000	-.00000	.00000	-.00000	.00000	.00000
		RUN NO. 643/ 0		RN/L = 4.98		GRADIENT INTERVAL = -5.00/ 5.00			
MACH	BOFLAP	ALPHA	BETA	ELEVON	AILRON	SPDBRK	RUDDER	ELV-IB	AIL-IB
.900	-11.653	4.97520	.03190	.00710	.00220	.00000	-.10290	.00430	.00010
.900	-7.960	4.98400	.03180	.00710	.00220	.00000	-.09620	.00430	.00010
.900	-5.948	4.98660	.03140	.00710	.00220	.00000	-.09620	.00430	.00010
.901	-3.950	4.99010	.03150	.00710	.00220	.00000	-.09620	.00430	.00010
.901	-1.940	4.99250	.03140	.00710	.00220	.00000	-.09620	.00430	.00010
.900	.019	4.99750	.03130	.00500	.00010	.00000	-.09620	.00000	.00010
.901	1.998	5.00390	.03110	.00500	.00010	.00000	-.09620	.00000	.00010
.900	3.996	5.00510	.03110	.00500	.00010	.00000	-.09620	.00000	.00010
.901	6.000	5.01300	.03100	.00500	.00010	.00000	-.09340	.00000	.00010
.900	8.020	5.01770	.03060	.00500	.00010	.00000	-.09620	.00000	.00010
.900	12.009	5.02960	.03020	.00500	.00010	.00000	-.09620	.00000	.00010
.899	16.308	5.04650	.02960	.00500	.00010	.00000	-.08940	.00000	.00010
.900	22.528	5.06970	.02910	.00250	-.00250	.00000	-.08940	-.00510	.00010
	GRADIENT	.00209	-.00006	-.00032	-.00032	.00000	-.00000	-.00065	.00000

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OAI45 TABULATED FORCE DATA

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(C2F0E5) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 SPOBRK = 55.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 597/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BOFLAP	ALPHA	BETA	ELEVON	AILRON	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.396	-11.653	4.97440	.03160	.02210	-.00850	55.00000	-.14110	.02990	.01430	-.01970	.00270
.396	-7.940	4.97950	.03150	.02210	-.00850	55.00000	-.13210	.02990	.01430	-.01970	.00270
.396	-5.948	4.98160	.03150	.02210	-.00850	55.00000	-.13210	.02990	.01430	-.01970	.00270
.395	-3.866	4.98280	.03150	.02210	-.00850	55.00000	-.14110	.02990	.01430	-.01970	.00270
.395	-1.940	4.98520	.03160	.02210	-.00850	55.00000	-.14110	.02990	.01430	-.01970	.00270
.394	.019	4.98660	.03150	.02210	-.00850	55.00000	-.14110	.02990	.01430	-.01970	.00270
.396	2.008	4.99210	.03150	.01990	-.01060	55.00000	-.15000	.02990	.01430	-.01970	.00270
.397	3.975	4.99590	.03150	.02210	-.00850	55.00000	-.15000	.02990	.01430	-.01970	.00270
.397	6.010	4.99910	.03140	.02210	-.00850	55.00000	-.15900	.02990	.01430	-.01970	.00270
.397	8.010	5.00320	.03130	.02210	-.00850	55.00000	-.15900	.02990	.01430	-.01970	.00850
.397	11.999	5.00940	.03130	.01920	-.00560	55.00000	-.15000	.02990	.01430	-.01970	.00270
.398	16.318	5.01640	.03150	.02210	-.00850	55.00000	-.15000	.02990	.01430	-.01970	.00270
.397	22.547	5.02940	.03150	.02210	-.00850	55.00000	-.08940	.02990	.01430	-.01970	.00270
	GRADIENT	.00169	-.00001	-.00011	-.00011	.00000	-.00091	.00000	-.00022	-.00000	-.00021

RUN NO. 595/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BOFLAP	ALPHA	BETA	ELEVON	AILRON	SPOBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB	AIL-OB
.597	-11.653	4.97250	.02580	.01990	-.01060	55.00000	-.14110	.02990	.01000	-.01970	.00150
.597	-7.950	4.97870	.02570	.01990	-.01060	55.00000	-.12310	.02990	.01000	-.01970	.00150
.598	-5.938	4.98130	.02560	.01990	-.01060	55.00000	-.12310	.02990	.01000	-.01970	.00150
.598	-3.950	4.98470	.02560	.01990	-.01060	55.00000	-.10960	.02990	.01000	-.01970	.00150
.598	-1.940	4.98850	.02570	.01990	-.01060	55.00000	-.10290	.02990	.01000	-.01970	.00150
.597	.029	4.99310	.02560	.01990	-.01060	55.00000	-.10960	.02990	.01000	-.01970	.00150
.597	1.998	4.99730	.02560	.01990	-.01060	55.00000	-.08270	.02990	.01000	-.01970	.00150
.597	3.996	5.00250	.02540	.01990	-.01060	55.00000	-.10290	.02990	.01000	-.01970	.00150
.597	6.010	5.00740	.02540	.01990	-.01060	55.00000	-.01520	.02990	.01000	-.01970	.00150
.597	8.010	5.01120	.02510	.01990	-.01060	55.00000	-.05570	.02990	.01000	-.01970	.00150
.597	12.009	5.02030	.02480	.01990	-.01060	55.00000	-.09620	.02990	.01000	-.01970	.00150
.597	16.318	5.03100	.02480	.01990	-.01060	55.00000	-.04220	.02990	.01000	-.01970	.00150
.597	22.528	5.02320	.02520	.01990	-.01060	55.00000	-.11640	.02990	.01000	-.01970	.00150
	GRADIENT	.00224	-.00003	.00000	-.00000	.00000	.00169	.00000	.00000	-.00000	-.00000

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

RUN NO. 569/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ALPHA	BETA	ELEVON	AILRON	SPOBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.899	-11.653	4.95870	.03210	.01710	-.00350	55.00000	-.2310	.01430	-.00980	.00270
.899	-7.950	4.96300	.03190	.01710	-.00350	55.00000	-.2310	.01430	-.00980	.00270
.899	-5.927	4.96770	.03180	.01710	-.00350	55.00000	-.12310	.01430	-.00980	.00270
.900	-3.930	4.97260	.03170	.01710	-.00350	55.00000	-.12310	.01430	-.00980	.00270
.901	-1.940	4.97830	.03160	.01710	-.00350	55.00000	-.15900	.01430	-.00980	.00270
.899	.019	4.98040	.03160	.01710	-.00350	55.00000	-.15000	.01430	-.00980	.00270
.900	2.008	4.98740	.03130	.01710	-.00350	55.00000	-.14110	.01430	-.00980	.00270
.900	4.007	4.99140	.03100	.01710	-.00350	55.00000	-.13210	.01430	-.00980	.00270
.900	6.000	4.99630	.03090	.01710	-.00350	55.00000	-.13210	.01430	-.00980	.00270
.900	8.020	5.00370	.03070	.01710	-.00350	55.00000	-.12310	.01430	-.00980	.00270
.899	12.009	5.01640	.03060	.01710	-.00350	55.00000	-.12310	.01430	-.00980	.00270
.900	16.318	5.03340	.03010	.01710	-.00350	55.00000	-.12310	.01430	-.00980	.00270
.900	22.585	5.05790	.02940	.01500	-.00560	55.00000	-.11640	.01000	-.00980	-.00150
.899	GRADIENT	.00236	-.00009	.00000	-.00000	.00000	.00090	.00000	-.00000	.00000

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
SPOBRK = 55.000 RUDDER = .000
RN/L = 5.000

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

RUN NO. 844/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	BETA	ELEVON	AILRON	POFLAP	SPOBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.596	-3.930	.02710	-1.95200	-.00910	.00000	25.00000	-.15900	.02580	-.00950	-.00880
.596	-1.941	.02690	-.96050	-.00650	.00000	25.00000	-.12310	.02000	-.01010	-.00300
.597	.040	.02680	.03290	-.00910	.00000	25.00000	-.12310	.02580	-.00950	-.00880
.596	2.017	.02650	1.02150	-.00570	.00000	25.00000	-.12310	.02580	-.00280	-.00880
.596	4.010	.02660	2.01500	-.00570	.00000	25.00000	-.12310	.02000	-.00830	-.00300
	GRADIENT	-.00007	.49985	.00038	.00000	-.00000	.00362	-.00029	.00049	.00029

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
SPOBRK = 25.000
RUDDER = 5.000

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(C2F0E6) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 838/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-1B	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-08	AIL-1B	AIL-08
.900	-3.925	4.99450	.03100	-1.95810	.00210	.00000	25.00000	-.12310	.00850	-.00430	.00850
.900	-1.935	5.01830	.03050	-.96140	.00900	.00970	25.00000	-.13210	.01280	.00520	.01280
.899	.030	5.04050	.03050	.02140	.00160	.00000	25.00000	-.12310	.01280	-.00960	.01280
.900	2.012	5.06590	.02990	1.01230	.00230	.00000	25.00000	-.12310	.01280	-.00820	.01280
.900	3.996	5.09970	.02930	2.00430	.00430	.00970	25.00000	-.12310	.01280	-.00410	.01280
	GRADIENT	.01294	-.00020	.50022	-.00011	.00049	-.00000	.00045	.00043	-.00065	.00043

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELV-08 = .000 AILRON = .000
 BDFLAP = .000 SPDBRK = 25.000
 RUDDER = .000 RN/L = 5.000

RUN NO. 820/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-1B	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-08	AIL-1B	AIL-08
1.198	-3.936	5.04320	.03200	-1.96010	-.00010	.00970	25.00000	-.08940	.01580	.00710	.00730
1.199	-1.941	5.07630	.03260	-.96270	.00870	.00970	25.00000	-.08940	.01580	-.01010	.00730
1.199	.010	5.09830	.03310	.01290	-.00360	.00970	25.00000	-.08940	.01580	.00010	.00730
1.199	2.022	5.08840	.03230	1.01900	-.00750	.00000	25.00000	-.08940	.01580	-.00780	.00730
1.200	4.010	5.10770	.03240	2.01000	-.00490	.00970	25.00000	-.08940	.01000	-.00830	.00150
	GRADIENT	.00711	.00002	.49970	-.00042	-.00049	.00000	.00000	-.00059	-.00144	.00059

AMES 118-1-11 OAI45A 01

(C2F0E7) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 845/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-1B	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-08	AIL-1B	AIL-08
.597	1.025	5.00030	.02730	3.01360	-.00050	.00000	25.00000	-.11640	5.00220	.00490	.00580
.597	3.022	5.02600	.02700	4.00980	-.00920	.00000	25.00000	-.10960	4.99730	-.00770	.01070
.596	5.016	5.04860	.02680	5.00360	-.00780	.00000	25.00000	-.12310	4.99160	-.01080	.00490
.597	7.008	5.07700	.02650	5.99970	-.01490	.00000	25.00000	-.12310	4.99160	-.02490	.00490
.597	9.025	5.10970	.02620	7.00810	-.01980	.00000	25.00000	-.10960	4.99160	-.03470	.00490
	GRADIENT	.01287	-.00015	.49880	-.00435	.00000	.00000	.00340	-.00245	-.00631	.00245

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELV-08 = .000 AILRON = .000
 BDFLAP = .000 SPDBRK = 25.000
 RUDDER = .000 RN/L = 5.000

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(C2F0E7) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 839/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-1B	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-08	AIL-1B	AIL-08
.901	1.010	5.05500	.03060	3.01090	.00180	.00970	25.00000	-.11640	5.01190	-.00020	.00390
.900	3.023	5.08860	.03020	4.01740	.00340	.00970	25.00000	-.11640	5.01190	-.00290	.00390
.900	4.998	5.08210	.03070	5.00210	-.00930	.00970	25.00000	-.11640	5.00610	-.02820	.00960
.900	7.002	5.09310	.03070	6.00430	-.00490	.00970	25.00000	-.11640	5.00610	-.01940	.00960
.898	9.023	5.12520	.03060	7.01450	-.00760	.00970	25.00000	-.12310	5.00610	-.02470	.00960
	GRADIENT	.00683	.00002	.49928	-.00277	.00000	.00000	.00000	-.00145	-.00699	.00142

RUN NO. 821/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-1B	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-08	AIL-1B	AIL-08
1.200	1.005	5.07220	.03160	3.00110	-.00800	.00970	25.00000	-.09620	4.99730	-.00530	.01070
1.201	3.007	5.09160	.03190	4.00210	-.00690	.00970	25.00000	-.09620	4.99730	-.00320	.01070
1.200	4.998	5.10650	.03200	4.99770	-.01940	.00970	25.00000	-.09620	4.99730	-.02820	.01070
1.199	6.999	5.12940	.03240	5.99830	-.02750	.00970	25.00000	-.09620	4.99730	-.04440	.01070
1.200	9.025	5.14710	.03270	7.01100	-.02270	.00970	25.00000	-.10960	4.99730	-.03470	.01070
	GRADIENT	.00903	.00010	.49999	-.00285	.00000	.00000	.00000	.00000	-.00573	.00000

AMES 118-1-11 OAI45A 01

(C2F0E8) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 846/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-1B	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-08	AIL-1B	AIL-08
.600	-8.929	4.93320	.02740	-6.93810	-.00820	.00000	25.00000	-.11640	-4.94680	-.00090	.01550
.598	-6.943	4.95830	.02720	-5.94770	-.00670	.00000	25.00000	-.10960	-4.95250	-.00350	.00990
.598	-4.925	4.98340	.02690	-4.93600	-.01040	.00000	25.00000	-.11640	-4.94680	-.00520	.01550
.597	-2.930	5.00900	.02670	-3.94120	-.00500	.00000	25.00000	-.11640	-4.95250	-.00010	.00990
.598	-.942	4.99600	.02660	-2.94700	-.00100	.00000	25.00000	-.10960	-4.95250	.00790	.00990
	GRADIENT	.00317	-.00008	.49930	.00236	.00000	.00000	.00171	-.00143	.00329	.00141

PARAMETRIC DATA

ALPHA = 5.000
 ELV-08 = 5.000
 BDFLAP = .000
 RUDDER = .000
 SPDBRK = 25.000
 RN/L = 5.000
 BETA = .000
 AILRON = .000

PARAMETRIC DATA

ALPHA = 5.000
 ELV-08 = -5.000
 BDFLAP = .000
 RUDDER = .000
 SPDBRK = 25.000
 RN/L = 5.000
 BETA = .000
 AILRON = .000

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(C2F0E9) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 840/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	ELV-IB	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.900	-8.940	4.96470	.03020	.03020	-6.93920	.00150	.00970	25.00000	-.12310	-4.93810	-.00160	.00450
.900	-6.932	4.99160	.03010	.03010	-5.93750	.00350	.00970	25.00000	-.12310	-4.94290	.00730	-.00030
.900	-4.925	4.99270	.03060	.03060	-4.93680	.00560	.00970	25.00000	-.12310	-4.94850	.00570	.00540
.900	-2.935	4.99500	.03070	.03070	-3.94130	-.00510	.00970	25.00000	-.12310	-4.94770	-.00510	-.00510
.899	-.911	5.00570	.03100	.03100	-2.93230	-.01090	.00970	25.00000	-.12310	-4.95330	-.02240	.00060
	GRADIENT	.00324	.00010	.00010	.49941	-.00411	-.00000	.00000	.00000	-.00120	-.00701	-.00118

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELV-OB = -5.000 AILRON = .000
 BDFLAP = .000 SPDBRK = 25.000
 RUDDER = .000 RN/L = 5.000

RUN NO. 822/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	ELV-IB	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
1.205	-8.940	5.00020	.03420	.03420	-6.94160	-.00090	.00970	25.00000	-.11640	-4.94290	-.00160	.00030
1.200	-6.942	5.04110	.03460	.03460	-5.94030	.00570	.00970	25.00000	-.12310	-4.93810	.00690	.00450
1.201	-4.936	5.04130	.03290	.03290	-4.94230	.00000	.00970	25.00000	-.11640	-4.94850	-.00540	.00540
1.200	-2.930	5.07490	.03360	.03360	-3.93920	.00260	.00970	25.00000	-.12310	-4.94850	-.00010	.00540
1.200	.936	5.10620	.03410	.03410	-2.93970	.00130	.00970	25.00000	-.12310	-4.94290	.00290	-.00030
	GRADIENT	.01623	.00030	.00030	.50070	.00033	.00000	-.00000	-.00168	.00140	.00208	-.00142

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 847/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	ELV-IB	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.598	-3.951	5.01590	.02650	.02650	-1.96520	.00480	.00000	25.00000	-.10290	.02020	.01030	-.00070
.598	-1.980	5.03060	.02650	.02650	-.98000	-.00370	.00000	25.00000	-.09620	.02020	.01030	-.01780
.598	.016	5.04500	.02640	.02640	.02050	-.00090	.00000	25.00000	-.09620	.02520	.00540	-.00730
.598	1.996	5.00000	.02700	.02700	1.01080	-.00330	.00000	25.00000	-.09620	.02520	.00540	-.01210
.598	4.002	5.01460	.02680	.02680	2.01100	.00050	.00000	25.00000	-.09620	.02020	.01030	-.00930
	GRADIENT	-.00167	.00006	.00006	.50012	-.00041	.00000	-.00000	.00067	.00025	-.00025	-.00057

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELV-IB = .000 AILRON = .000
 BDFLAP = .000 SPDBRK = 25.000
 RUDDER = .000 RN/L = 5.000

AMES 118-1-11 OAI45A 01

(C2F0E9) (08 JUL 77)

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OAI145 TABULATED FORCE DATA

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AMES 118-1-11 OAI145A 01

(C2F0E9) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 BETA = .000
 ELV-1B = .000 AILRON = .000
 BDFLAP = .000 SPOBRK = 25.000
 RUDDER = .000 RN/L = 5.000

RUN NO. 841/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-1B	AIL-1B	AIL-OB
.900	-3.951	5.02670	.03060	-1.96280	.00230	.00970	25.00000	-.14110	.02520	.00540	-.00070
.900	-1.954	5.02410	.03060	-.96450	.00680	.00970	25.00000	-.12310	.02520	.00540	.00820
.899	.024	5.02100	.03070	.02470	-.00170	.00970	25.00000	-.13210	.02500	-.00470	.00120
.900	2.007	5.02910	.03070	1.01860	-.00050	.00970	25.00000	-.11640	.03010	.00040	-.00140
.899	4.017	5.04900	.03020	2.02360	.00320	.00970	25.00000	-.10960	.03010	.00040	.00600
	GRADIENT	.00250	-.00004	.50037	-.00027	-.00000	-.00000	.00351	.00074	-.00075	.00019

RUN NO. 823/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-1B	AIL-1B	AIL-OB
1.201	-3.946	5.03030	.03250	-1.96050	-.00030	.00970	25.00000	-.12310	.02500	-.00470	.00400
1.200	-1.954	5.08780	.03290	-.96200	.00430	.00970	25.00000	-.12310	.02500	.00040	.00820
1.201	.000	5.09530	.03310	.01250	-.00230	.00970	25.00000	-.12310	.02500	-.00470	.00000
1.200	1.997	5.10330	.03300	1.01340	-.00060	.00970	25.00000	-.12310	.03010	.00040	-.00170
1.201	3.997	5.11100	.03330	2.01340	-.00700	.00970	25.00000	-.12310	.03010	.00040	-.01440
	GRADIENT	.00388	.00009	.50026	-.00092	.00000	.00000	-.00000	.00052	.00052	-.00236

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 BETA = .000
 ELV-1B = .000 AILRON = .000
 BDFLAP = .000 SPOBRK = 25.000
 RUDDER = .000 RN/L = 5.000

RUN NO. 848/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-1B	AIL-1B	AIL-OB
.597	1.019	5.05160	.02670	3.01380	-.02180	.00000	25.00000	-.08270	5.00880	-.03890	-.00480
.598	3.009	5.06610	.02680	4.00890	-.02650	.00000	25.00000	-.08270	5.00880	-.03890	-.01400
.598	5.008	5.01710	.02790	5.00840	-.02520	.00000	25.00000	-.07590	5.00880	-.03890	-.01160
.598	7.015	5.03500	.02780	6.01200	-.01860	.00000	25.00000	-.08270	5.00880	-.03890	.00160
.598	9.015	5.05500	.02750	7.00950	-.01950	.00000	25.00000	-.08270	5.00340	-.03360	-.00540
	GRADIENT	.00729	.00005	.49997	-.00236	.00000	-.00000	.00000	.00000	.00000	-.00462

AMES 118-1-11 OAI145A 01

(C2F0F0) (08 JUL 77)

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AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELV-1B = 5.000 AILRON = .000
 BOFLAP = .000 SPDBRK = 25.000
 RUDDER = .000 RN/L = 5.000

RUN NO. 842/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-08	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-1B	AIL-1B	AIL-08
.900	1.014	5.06340	.03030	3.01460	-.01560	.00970	25.00000	-.12310	5.01510	-.02190	-.00930
.899	3.014	5.07060	.03070	4.01480	-.01040	.00970	25.00000	-.11640	5.01510	-.02190	-.00110
.901	5.002	5.09930	.02980	5.00600	-.01120	.00970	25.00000	-.11640	5.00970	-.01660	-.00580
.899	7.002	5.09680	.03080	6.00580	-.01410	.00970	25.00000	-.10290	5.00970	-.01660	-.01170
.900	9.015	5.09950	.03160	7.01260	-.01100	.00970	25.00000	-.10960	5.00970	-.01660	-.00540
	GRADIENT	.00360	.00020	.50002	.00260	.00000	-.00000	.00335	-.00000	.00000	.00520

RUN NO. 824/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-08	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-1B	AIL-1B	AIL-08
1.200	1.005	5.08840	.03120	3.00720	-.02310	.00970	25.00000	-.12310	5.00930	-.02770	-.01840
1.200	3.014	5.09570	.03180	4.01190	-.01330	.00970	25.00000	-.12310	5.00930	-.02770	-.00110
1.201	4.998	5.10630	.03180	5.00370	-.02450	.00970	25.00000	-.13210	5.00930	-.02770	-.02130
1.200	7.005	5.11460	.03200	6.00490	-.02040	.00970	25.00000	-.14110	5.00340	-.03360	-.00720
1.200	9.007	5.12560	.03210	7.00800	-.01610	.00970	25.00000	-.14110	5.00930	-.02770	-.00440
	GRADIENT	.00448	.00015	.49999	-.00034	-.00000	.00000	-.00225	.00000	.00000	-.00070

AMES 118-1-11 OAI45A 01

(C2F0F1) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELV-1B = -5.000 AILRON = .000
 BOFLAP = .000 SPDBRK = 25.000
 RUDDER = .000 RN/L = 5.000

RUN NO. 849/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-08	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-1B	AIL-1B	AIL-08
.598	-8.945	4.79030	.02900	-6.93230	.00340	.00000	25.00000	-.08270	-4.91960	.00030	.00640
.598	-6.944	4.80740	.02890	-5.93170	-.00670	.00000	25.00000	-.07590	-4.91960	.00030	-.01370
.598	-4.937	4.81880	.02890	-4.92840	-.00280	.04850	25.00000	-.08270	-4.91960	.00030	-.00590
.598	-2.940	4.82400	.02870	-3.93000	-.00080	.00000	25.00000	-.06920	-4.91960	.00030	-.00200
.598	-.940	4.85090	.02850	-2.92990	-.00450	.00000	25.00000	-.06920	-4.91960	.00030	-.00930
	GRADIENT	.00803	-.00010	.50000	-.00043	-.01213	.00000	.00338	.00000	.00000	-.00085

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AMES 118-1-11 OAI45A 01

(C2F0F1) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO.

843/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH
 .901
 .901
 .900
 .901
 .899

ELV-08
 -8.960
 -6.948
 -4.952
 -2.951
 -.930
 GRADIENT

ALPHA
 4.96620
 4.97630
 4.97550
 4.98310
 4.98580
 .00256

BETA
 .03070
 .03070
 .03100
 .03060
 .03060
 -.00010

ELEVON
 -6.94550
 -5.93680
 -4.93840
 -3.93790
 -2.92760
 .50001

AILRON
 .00590
 -.01180
 -.01280
 .00150
 -.00220
 .00263

BOFLAP
 .00970
 .00970
 .00000
 .00000
 .00970
 .00242

SPOBRK
 25.00000
 25.00000
 25.00000
 25.00000
 25.00000
 .00000

RUDDER
 -.12310
 -.11640
 -.11640
 -.11640
 -.11640
 -.00000

ELV-1B
 -4.93060
 -4.92520
 -4.92520
 -4.92520
 -4.92520
 .00000

AIL-1B
 .00020
 -.00520
 -.00520
 -.00520
 -.00520
 -.00000

AIL-08
 .01150
 -.01850
 -.02030
 .00820
 .00080
 .00523

ALPHA = 5.000 BETA = .000
 ELV-1B = -5.000 AILRON = .000
 BOFLAP = .000 SPOBRK = 25.000
 RUDDER = .000 RN/L = 5.000

PARAMETRIC DATA

MACH
 1.203
 1.201
 1.200
 1.201
 1.200

ELV-08
 -8.960
 -6.951
 -4.953
 -2.956
 -.946
 GRADIENT

ALPHA
 5.02480
 5.03470
 5.04360
 5.05260
 5.06320
 .00489

BETA
 .03290
 .03260
 .03320
 .03310
 .03320
 .00000

ELEVON
 -6.95090
 -5.94610
 -4.94740
 -3.95140
 -2.94350
 .50000

AILRON
 .00580
 .00620
 .00030
 .00390
 -.00190
 -.00055

BOFLAP
 .00970
 .00970
 .00970
 .00970
 .00970
 .00000

SPOBRK
 25.00000
 25.00000
 25.00000
 25.00000
 25.00000
 .00000

RUDDER
 -.13210
 -.15000
 -.15000
 -.15000
 -.15000
 .00000

ELV-1B
 -4.94150
 -4.94150
 -4.94150
 -4.94710
 -4.94150
 .00000

AIL-1B
 .00010
 .00010
 .00010
 .00010
 .00010
 .00000

AIL-08
 .01150
 .01240
 .00060
 .01330
 -.00390
 -.00113

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

REFERENCE DATA

RUN NO.

850/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH
 .597
 .598
 .598
 .598
 .598

AIL-1B
 -3.984
 -1.980
 -.004
 1.977
 3.967
 GRADIENT

ALPHA
 5.03840
 5.04000
 4.97370
 4.97280
 4.97160
 -.01011

BETA
 .01980
 .02310
 .02690
 .02880
 .03120
 .00144

ELEVON
 .02850
 .02620
 .01970
 .01540
 .01960
 -.00144

AILRON
 -1.98540
 -.98380
 -.00010
 .99070
 1.98550
 .49936

BOFLAP
 .00000
 .00000
 .00000
 .00000
 .00000
 .00000

SPOBRK
 25.00000
 25.00000
 25.00000
 25.00000
 25.00000
 .00000

RUDDER
 -.06920
 -.07590
 -.07590
 -.08270
 -.06920
 -.00034

ELV-1B
 .04420
 .03960
 .03510
 .02660
 .03500
 -.00158

ELV-08
 .01280
 .01280
 .00430
 .00430
 .00430
 -.00128

ALPHA = 5.000 BETA = .000
 ELEVON = .000 BOFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

PARAMETRIC DATA

AMES 118-1-11 OAI45A 01

(C2F0F2) (08 JUL 77)

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AMES 118-1-11 OAI45A 01

(C2F0F2) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO.

832/ 0

RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH
 .900
 .899
 .900
 .899
 .901

A1L-1B
 -3.978
 -1.986
 .015
 1.978
 3.956
 GRADIENT

ALPHA
 5.03850
 5.03870
 5.03790
 5.03800
 5.04220
 .00034

BETA
 .02270
 .02760
 .03090
 .03390
 .03730
 .00179

ELEVON
 .02680
 .01930
 .01900
 .01840
 .02430
 -.00030

A1LRON
 -1.98700
 -.99070
 .01410
 .98880
 1.98440
 .50032

BDFLAP
 .00970
 .00970
 .00970
 .00970
 .00970
 -.00000

SPDBRK
 25.00000
 25.00000
 25.00000
 25.00000
 25.00000
 -.00000

ELV-1B
 .04940
 .03440
 .02530
 .03680
 .03580
 -.00126

ELV-OB
 .00430
 .00430
 .01280
 .00000
 .01280
 .00064

A1L-OB
 .00430
 .00430
 .01280
 .00000
 .01280
 .00064

ALPHA = 5.000
 ELEVON = .000
 SPDBRK = 25.000
 RN/L = 5.000

BETA = .000
 BDFLAP = .000
 RUDDER = .000

PARAMETRIC DATA

RUN NO.

826/ 0

RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH
 1.200
 1.200
 1.199
 1.201
 1.200

A1L-1B
 -3.974
 -1.975
 -.020
 1.978
 3.967
 GRADIENT

ALPHA
 5.07770
 5.08240
 5.08360
 5.08020
 5.07880
 -.00000

BETA
 .03190
 .03340
 .03380
 .03260
 .03290
 .00006

ELEVON
 .02320
 .02820
 .01570
 .02420
 .02330
 -.00019

A1LRON
 -1.99290
 -.99330
 -.01570
 .98300
 1.97760
 .49999

BDFLAP
 .00970
 .00970
 .00970
 .00000
 .00000
 -.00147

SPDBRK
 25.00000
 25.00000
 25.00000
 25.00000
 25.00000
 .00000

ELV-1B
 .03500
 .04480
 .01980
 .03680
 .03500
 -.00039

ELV-OB
 .01150
 .01150
 .01150
 .01150
 .01150
 -.00000

A1L-OB
 -.01150
 -.01150
 -.01150
 -.01150
 -.01150
 .00000

SREF = 2390.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO.

851/ 0

RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH
 .598
 .598
 .598
 .598
 .598

A1L-1B
 -4.008
 -2.014
 -.022
 1.993
 4.420
 GRADIENT

ALPHA
 5.01500
 5.01410
 5.01480
 5.01510
 5.01980
 .00053

BETA
 .02120
 .02450
 .02790
 .03030
 .03340
 .00144

ELEVON
 5.01990
 5.02360
 5.00550
 5.00820
 5.21880
 .01916

A1LRON
 -2.00210
 -1.00770
 -.01170
 .99340
 2.20980
 .49965

BDFLAP
 .00000
 .00000
 .00000
 .00000
 .00000
 .00000

SPDBRK
 25.00000
 25.00000
 25.00000
 25.00000
 25.00000
 .00000

ELV-1B
 5.02790
 5.04010
 5.00390
 5.00350
 5.43060
 .03853

ELV-OB
 5.01190
 5.00700
 5.00700
 5.01280
 5.00700
 -.00020

A1L-OB
 .00390
 -.00100
 -.00100
 -.00670
 -.00100
 -.00071

ALPHA = 5.000
 ELEVON = .000
 SPDBRK = 25.000
 RN/L = 5.000

BETA = .000
 BDFLAP = .000
 RUDDER = .000

PARAMETRIC DATA

AMES 118-1-11 OAI45A 01

(C2F0F3) (08 JUL 77)

OAI145 TABULATED FORCE DATA

DATE 10 MAR 80

(C2F0F3) (08 JUL 77)

AMES 118-1-11 OAI145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = 5.000 BOFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 833/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIR-1B	ALPHA	BETA	ELEVON	AIRLON	BOFLAP	SPOBRK	RUDDER	ELV-1B	ELV-OB	AIR-OB
.901	-4.008	5.08160	.02370	5.01750	-2.00450	.00970	25.00000	-.19490	5.02790	5.00700	-.00100
.899	-2.014	5.07300	.02780	5.00970	-1.00490	.00970	25.00000	-.12310	5.01820	5.00130	.00480
.899	-.034	5.07730	.03190	5.00520	-.01730	.00970	25.00000	-.13210	5.00340	5.00700	-.00100
.899	1.981	5.07460	.03510	5.00430	.99030	.00970	25.00000	-.12310	5.00150	5.00700	-.00100
.899	4.424	5.08160	.03950	5.02030	2.21700	.00970	25.00000	-.14110	5.43450	5.00610	.00960
	GRADIENT	-.00012	.00186	.02008	.50039	.00000	.00000	.00494	.03997	.00018	.00078

RUN NO. 827/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIR-1B	ALPHA	BETA	ELEVON	AIRLON	BOFLAP	SPOBRK	RUDDER	ELV-1B	ELV-OB	AIR-OB
1.200	-4.013	5.10150	.02970	5.01010	-2.01190	.00000	25.00000	-.11640	5.02280	4.99730	-.01070
1.200	-2.009	5.10080	.03140	5.00500	-1.00990	.00000	25.00000	-.11640	5.01270	4.99730	-.01070
1.199	-.034	5.09920	.03230	5.00040	-.02210	.00000	25.00000	-.11640	5.00340	4.99730	-.01070
1.200	1.981	5.09900	.03300	4.99940	.98540	.00970	25.00000	-.10960	5.00150	4.99730	-.01070
1.200	4.424	5.10410	.03420	5.21350	2.20440	.00970	25.00000	-.10960	5.43450	4.99250	-.01550
	GRADIENT	.00019	.00051	.02010	.49975	.00139	.00000	.00098	.04069	-.00048	-.00048

AMES 118-1-11 OAI145A 01

(C2F0F4) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = 5.000 BOFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 852/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIR-1B	ALPHA	BETA	ELEVON	AIRLON	BOFLAP	SPOBRK	RUDDER	ELV-1B	ELV-OB	AIR-OB
.600	-4.564	4.95260	.01980	-5.21270	-2.28240	.00000	25.00000	-.06240	-5.49310	-4.93240	-.00110
.598	-2.377	4.95190	.02300	-5.12540	-1.18920	.00000	25.00000	-.06920	-5.31840	-4.93240	-.00110
.598	-.284	4.95360	.02620	-5.07350	-.14240	.00000	25.00000	-.06920	-5.21450	-4.93240	-.00110
.598	1.925	4.95230	.02890	-4.97600	.95940	.00000	25.00000	-.06240	-5.01470	-4.93720	-.00590
.598	3.940	4.95600	.03080	-4.96520	1.96420	.00000	25.00000	-.06920	-4.99880	-4.93160	-.01160
	GRADIENT	.00048	.00131	.03032	.49939	.00000	-.00000	-.00031	.06081	-.00016	-.00121

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(C2F0F4) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 834/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIR-OB	ALPHA	BETA	ELEVON	AIRLON	BOFLAP	SPOBRK	RUDDER	ELV-OB	ELV-IB	ALPHA	BETA	BOFLAP	RUDDER	ELV-OB	ELV-IB	AIR-OB
.902	-4.564	4.97030	.02120	-5.22520	-2.28990	.00970	25.00000	-1.3210	-4.94680	-5.50370	5.000	5.000	.000	-1.3210	-4.94680	-5.50370	-0.1550
.900	-2.383	4.97070	.02680	-5.12460	-1.19970	.00970	25.00000	-1.2310	-4.93640	-5.31270	-5.000	-5.000	.000	-1.2310	-4.93640	-5.31270	-0.1640
.900	-.289	4.97280	.03110	-5.08030	-.15490	.00970	25.00000	-1.3210	-4.94120	-5.21950	25.000	25.000	.000	-1.3210	-4.94120	-5.21950	-0.2120
.899	1.915	4.97360	.03550	-4.98860	.95240	.00970	25.00000	-1.3210	-4.95250	-5.02470	5.000	5.000	.000	-1.3210	-4.95250	-5.02470	-0.0990
.899	3.945	4.97350	.03930	-4.97540	1.96480	.00970	25.00000	-1.4110	-4.94680	-5.00390	25.000	25.000	.000	-1.4110	-4.94680	-5.00390	-0.1550
	GRADIENT	.00044	.00211	.02989	.50016	.00000	.00000	-.00125	-.00076	.06055				-.00125	-.00076	.06055	.00031

RUN NO. 826/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIR-OB	ALPHA	BETA	ELEVON	AIRLON	BOFLAP	SPOBRK	RUDDER	ELV-OB	ELV-IB	ALPHA	BETA	BOFLAP	RUDDER	ELV-OB	ELV-IB	AIR-OB
1.201	-4.575	5.02200	.02720	-5.23360	-2.29260	.00970	25.00000	-1.1640	-4.95250	-5.51470	5.000	5.000	.000	-1.1640	-4.95250	-5.51470	-0.0990
1.200	-2.389	5.03000	.03120	-5.12980	-1.19930	.00970	25.00000	-1.1640	-4.95250	-5.30710	-5.000	-5.000	.000	-1.1640	-4.95250	-5.30710	-0.0990
1.201	-.294	5.03870	.03290	-5.08330	-.15200	.00970	25.00000	-1.1640	-4.95250	-5.21410	25.000	25.000	.000	-1.1640	-4.95250	-5.21410	-0.0990
1.200	1.910	5.03640	.03420	-4.99130	.95030	.00970	25.00000	-1.1640	-4.96290	-5.01960	5.000	5.000	.000	-1.1640	-4.96290	-5.01960	-0.0900
1.201	3.934	5.02100	.03790	-4.98090	1.95980	.00970	25.00000	-1.2310	-4.95730	-5.00450	25.000	25.000	.000	-1.2310	-4.95730	-5.00450	-0.1470
	GRADIENT	.00023	.00114	.03029	.49980	-.00000	.00000	-.00062	-.00095	.06153				-.00062	-.00095	.06153	-0.00040

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 853/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIR-OB	ALPHA	BETA	ELEVON	AIRLON	BOFLAP	SPOBRK	RUDDER	ELV-OB	ELV-IB	ALPHA	BETA	BOFLAP	RUDDER	ELV-OB	ELV-IB	AIR-OB
.597	-3.991	4.99180	.02380	-.02510	-1.99530	.00000	25.00000	-.05570	-0.3000	.02010	5.000	5.000	.000	-.05570	-0.3000	.02010	-0.0030
.598	-1.982	4.99150	.02520	.03060	-.99350	.00000	25.00000	-1.3210	-0.3620	.02500	-5.000	-5.000	.000	-1.3210	-0.3620	.02500	-0.0470
.598	-.007	4.99070	.02660	.02040	-.00600	.00000	25.00000	-1.2310	.01580	.02500	25.000	25.000	.000	-1.2310	.01580	.02500	-0.0470
.598	1.984	4.99200	.02640	.02330	.98970	.00000	25.00000	-1.2310	.02160	.02500	5.000	5.000	.000	-1.2310	.02160	.02500	-0.0470
.598	3.975	4.99120	.02710	.02570	1.98580	.00000	25.00000	-1.4110	.02630	.02500	25.000	25.000	.000	-1.4110	.02630	.02500	-0.0470
	GRADIENT	-.00004	.00039	-.00030	.49974	.00000	-.00000	-.00814	-.00110	.00049				-.00814	-.00110	.00049	-0.00050

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(C2F0F5) (08 JUL 77)

PARAMETRIC DATA

ALPHA = 5.000
 ELEVON = .000
 SPOBRK = 25.000
 RN/L = 5.000

PARAMETRIC DATA

ALPHA = 5.000
 ELEVON = .000
 SPOBRK = 25.000
 RN/L = 5.000

PARAMETRIC DATA

ALPHA = 5.000
 ELEVON = .000
 SPOBRK = 25.000
 RN/L = 5.000

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(C2F0F5) (08 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 835/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH
 .899
 .899
 .900
 .900
 .900
 .899
 GRADIENT

ALL-OB
 -3.977
 -1.962
 .001
 1.979
 3.971
 GRADIENT

ALPHA
 5.06490
 5.05390
 5.04730
 5.05380
 5.06360
 -.00014
 -.00009
 -.00093

ELEVON
 .03000
 .03340
 .02010
 .02330
 .02580
 .03030
 .00009
 -.00093

BETA
 .03090
 .03100
 .03080
 .03050
 .03030
 .00009
 -.00093

AILRON
 -1.98050
 -.97560
 .00450
 .99460
 1.99090
 .49975
 .49975

BOFLAP
 .00970
 .00970
 .00970
 .00970
 .00970
 .00970
 -.00000

SPOBRK
 25.00000
 25.00000
 25.00000
 25.00000
 25.00000
 25.00000
 -.00000

RUDDER
 -.12310
 -.12310
 -.12310
 -.12310
 -.11640
 .00068
 .00068

ELV-1B
 .02530
 .03030
 .03030
 .03030
 .03030
 .00051
 .00051

ELV-OB
 .03460
 .03650
 .01000
 .01630
 .02120
 -.00236
 -.00236

AIL-1B
 .01540
 .01050
 .01050
 .01050
 .01050
 -.00050
 -.00050

ALPHA = 5.000
 BETA = .000
 BOFLAP = 25.000
 RUDDER = 5.000
 ELEVON = .000
 SPOBRK = .000
 RN/L = .000

PARAMETRIC DATA

RUN NO. 829/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH
 1.200
 1.200
 1.201
 1.199
 1.201
 GRADIENT

ALL-OB
 -3.986
 -1.987
 -.012
 1.979
 3.971
 GRADIENT

ALPHA
 5.07740
 5.07700
 5.07650
 5.07660
 5.07710
 -.00005
 -.00005

ELEVON
 .02240
 .02300
 .01330
 .02070
 .01810
 -.00055
 -.00055

BETA
 .03460
 .03390
 .03310
 .03140
 .03000
 -.00059
 -.00059

AILRON
 -1.99300
 -.99610
 -.00820
 .98730
 1.98320
 .49975
 .49975

BOFLAP
 .00970
 .00970
 .00970
 .00970
 .00970
 .00970
 -.00000

SPOBRK
 25.00000
 25.00000
 25.00000
 25.00000
 25.00000
 25.00000
 .00000

RUDDER
 -.12310
 -.11640
 -.11640
 -.12310
 -.12310
 .00000
 .00000

ELV-1B
 .01000
 .01500
 .01500
 .01500
 .01500
 .00050
 .00050

ELV-OB
 .03480
 .03100
 .01150
 .02630
 .02120
 -.00160
 -.00160

AIL-1B
 .00010
 -.00480
 -.00480
 -.00480
 -.00480
 -.00049
 -.00049

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 854/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH
 .597
 .598
 .598
 .597
 .598
 GRADIENT

ALL-OB
 -4.008
 -2.004
 -.006
 1.998
 3.993
 GRADIENT

ALPHA
 5.02110
 5.02220
 5.02160
 5.02210
 5.02300
 .00018
 .00018

ELEVON
 .02430
 .02610
 .02760
 .02820
 .02900
 .00057
 .00057

BETA
 .02430
 .02610
 .02760
 .02820
 .02900
 .00057
 .00057

AILRON
 -2.02060
 -1.01870
 -.01940
 .98500
 1.98010
 .50014
 .50014

BOFLAP
 .00000
 .00000
 .00000
 .00000
 .00000
 .00000
 .00000

SPOBRK
 25.00000
 25.00000
 25.00000
 25.00000
 25.00000
 25.00000
 .00000

RUDDER
 -.12310
 -.12310
 -.12310
 -.12310
 -.12310
 .00000
 .00000

ELV-1B
 .01460
 .01460
 .01460
 .01460
 .01460
 -.00027
 -.00027

ELV-OB
 .01290
 .02000
 .00220
 .00140
 .01680
 -.00054
 -.00054

AIL-1B
 -.03310
 -.03310
 -.03310
 -.02770
 -.03310
 -.00027
 -.00027

ALPHA = 5.000
 BETA = .000
 BOFLAP = 25.000
 RUDDER = 5.000
 ELEVON = .000
 SPOBRK = .000
 RN/L = .000

PARAMETRIC DATA

(C2F0F6) (08 JUL 77)

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(C2F0F6) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 836/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	A1L-OB	ALPHA	BETA	ELEVON	A1LRON	BOFLAP	SPOBRK	RUDDER	ELV-1B	ELV-OB	A1L-1B
.900	-4.003	5.07930	.02870	5.00600	-2.01280	.00970	25.00000	-1.1640	5.00390	5.00800	-1.02240
.900	-1.999	5.07650	.03080	5.00920	-1.01070	.00970	25.00000	-1.2310	5.00390	5.01460	-1.02240
.899	-.001	5.07370	.03210	5.00550	-.01170	.00970	25.00000	-1.2310	5.00390	5.00700	-1.02240
.899	1.988	5.07200	.03170	5.01020	.98010	.00970	25.00000	-1.2310	5.00930	5.01110	-1.02770
.900	4.005	5.07670	.03310	5.00460	1.99120	.00970	25.00000	-1.2310	5.00390	5.00530	-1.02240
	GRADIENT	-.00048	.00049	-.00009	.49987	.00000	-.00000	-.00067	.00027	-.00045	-.00026

PARAMETRIC DATA

ALPHA = 5.000
 ELEVON = 5.000
 SPOBRK = 25.000
 RN/L = 5.000
 BETA = .000
 BOFLAP = .000
 RUDDER = .000

RUN NO. 830/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	A1L-OB	ALPHA	BETA	ELEVON	A1LRON	BOFLAP	SPOBRK	RUDDER	ELV-1B	ELV-OB	A1L-1B
1.200	-4.017	5.09480	.03120	4.99800	-2.02560	.00970	25.00000	-1.1640	4.99230	5.00380	-1.03400
1.201	-2.004	5.09430	.03210	5.00090	-1.01910	.00970	25.00000	-1.1640	4.99230	5.00940	-1.03400
1.201	-.015	5.09370	.03230	4.98970	-.02210	.00970	25.00000	-1.1640	4.98690	4.99250	-1.02870
1.201	1.993	5.09290	.03190	5.00390	.97920	.00970	25.00000	-1.2310	4.99230	5.01550	-1.03400
1.200	3.999	5.09560	.03210	5.00170	1.98250	.00970	25.00000	-1.1640	4.99230	5.01110	-1.03400
	GRADIENT	.00001	.00008	.00052	.50000	-.00000	.00000	-.00033	.00000	.00104	-.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 855/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	A1L-OB	ALPHA	BETA	ELEVON	A1LRON	BOFLAP	SPOBRK	RUDDER	ELV-1B	ELV-OB	A1L-1B
.599	-3.998	4.95790	.02480	-4.93790	-2.00170	.00000	25.00000	-1.10960	-4.92520	-4.95050	-1.00520
.598	-2.024	4.95820	.02600	-4.94590	-1.01160	.00000	25.00000	-1.2310	-4.91960	-4.97220	-1.00030
.598	-.005	4.95890	.02620	-4.93370	-.00240	.00000	25.00000	-1.2310	-4.91960	-4.94770	-1.00030
.598	2.010	4.95980	.02630	-4.93100	1.00500	.00000	25.00000	-1.2310	-4.91960	-4.94240	-1.00030
.598	4.005	4.95910	.02640	-4.93760	2.00320	.00000	25.00000	-1.3210	-4.91960	-4.95550	-1.00030
	GRADIENT	.00020	.00017	.00078	.50027	.00000	-.00000	-.00224	.00056	.00100	.00055

PARAMETRIC DATA

ALPHA = 5.000
 ELEVON = -5.000
 SPOBRK = 25.000
 RN/L = 5.000
 BETA = .000
 BOFLAP = .000
 RUDDER = .000

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(C2F0F7) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = -5.000 BOFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 837/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-OB	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB
.899	-4.009	.03820	.03080	-4.93770	-2.00150	.00000	25.00000	-.12310	-4.92500	-4.95030	.00570
.900	-1.990	.03120	.03120	-4.93680	-.99200	.00000	25.00000	-.12310	-4.92500	-4.94850	.00570
.901	.005	.03100	.03100	-4.93690	.00010	.00000	25.00000	-.12310	-4.92520	-4.94850	-.00520
.901	2.001	.03110	.03110	-4.94380	.99770	.00000	25.00000	-.12310	-4.92520	-4.96230	-.00520
.900	4.001	.03150	.03150	-4.94290	1.99790	.00970	25.00000	-.12310	-4.92520	-4.96060	-.00520
	GRADIENT	.00046	.00007	-.00087	.49918	.00097	-.00000	.00000	-.00003	-.00172	-.00163

RUN NO. 831/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-OB	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-IB	ELV-OB	AIL-IB
1.201	-3.998	5.03840	.03570	-4.93800	-1.99640	.00970	25.00000	-.11640	-4.93600	-4.94010	.00560
1.200	-1.999	5.03930	.03450	-4.94700	-.99680	.00970	25.00000	-.12310	-4.93600	-4.95810	.00560
1.200	.005	5.03920	.03290	-4.94180	.00030	.00970	25.00000	-.11640	-4.93600	-4.94770	.00560
1.201	1.984	5.03900	.03150	-4.94370	.99210	.00970	25.00000	-.12310	-4.94150	-4.94580	.00010
1.200	4.011	5.03710	.03000	-4.94330	2.00290	.00970	25.00000	-.11640	-4.93610	-4.95050	-.00540
	GRADIENT	-.00015	-.00072	-.00036	.49931	-.00000	-.00000	.00000	-.00028	-.00043	-.00138

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(C2F0F8) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA =
 AILRON =
 SPOBRK =
 RN/L =
 18.700 ELEVON = .000
 25.000 BOFLAP = .000
 3.000 RUDDER = .000

RUN NO. 320/ 0 RN/L = 2.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-1B	ELV-OB	AIL-1B	AIL-OB
.399	-3.984	18.60700	.01680	.00190	.01000	25.00000	.00000	.02500	.00850	-.00470	.00850
.399	-2.924	18.56300	.01430	.00440	.01000	25.00000	.00000	.02010	.00850	.00030	.00850
.400	-1.851	18.57100	.01430	.00440	.01000	25.00000	.00000	.02010	.00850	.00030	.00850
.401	-1.328	18.56700	.01430	.00440	.01000	25.00000	.00000	.02010	.00850	.00030	.00850
.400	-.807	18.56000	.01720	.00150	.01000	25.00000	.00000	.02010	.01420	.00030	.00280
.400	-.284	18.55400	.01930	.00370	.01000	25.00000	.00000	.02010	.01850	.00030	.00700
.400	.238	18.54900	.01470	.00400	.01000	25.00000	.00000	.02010	.01420	.00520	.00280
.400	.743	18.53900	.01470	.00400	.01000	25.00000	.00000	.02010	.01420	.00520	.00280
.400	1.248	18.52900	.01930	.00370	.01000	25.00000	.00000	.02010	.01850	.00030	.00700
.400	1.745	18.51500	.01960	-.00090	.01000	25.00000	.00000	.02500	.01420	-.00470	.00280
.400	2.262	18.50700	.02210	-.00340	.01000	25.00000	.00000	.03000	.01420	-.00960	.00280
.401	3.289	18.49500	.01960	-.00090	.01000	25.00000	.00000	.02500	.01420	-.00470	.00280
.400	4.329	18.48000	.02180	.00120	.01000	25.00000	.00000	.02500	.01850	-.00470	.00700
.400	GRADIENT	-.01420	.00088	-.00059	.00000	.00000	.00000	.00057	.00118	-.00058	-.00061

RUN NO. 321/ 0 RN/L = 2.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-1B	ELV-OB	AIL-1B	AIL-OB
.594	-3.991	18.80900	.01390	.00400	.01000	25.00000	.00000	.01500	.01280	-.00480	.01280
.594	-2.909	18.77700	.01670	.00110	.01000	25.00000	.00000	.01500	.01850	-.00480	.00700
.595	-1.859	18.77200	.01670	.00110	.01000	25.00000	.00000	.01500	.01850	-.00480	.00700
.599	-1.336	18.77000	.01670	.00110	.01000	25.00000	.00000	.01500	.01850	-.00480	.00700
.601	-.813	18.76800	.01670	.00110	.01000	25.00000	.00000	.01500	.01850	-.00480	.00700
.598	-.290	18.75800	.01670	.00110	.01000	25.00000	.00000	.01500	.01850	-.00480	.00700
.600	.234	18.75500	.01670	.00110	.01000	25.00000	.00000	.01500	.01850	-.00480	.00700
.598	.741	18.74800	.01670	.00110	.01000	25.00000	.00000	.01500	.01850	-.00480	.00700
.599	1.247	18.73800	.01670	.00110	.01000	25.00000	.00000	.01500	.01850	-.00480	.00700
.600	1.747	18.72300	.01920	-.00140	.01000	25.00000	.00000	.02000	.01850	-.00980	.00700
.599	2.263	18.71400	.01920	-.00140	.01000	25.00000	.00000	.02000	.01850	-.00980	.00700
.600	3.294	18.70400	.01920	-.00140	.01000	25.00000	.00000	.02000	.01850	-.00980	.00700
.600	4.337	18.68600	.01920	-.00140	.01000	25.00000	.00000	.02000	.01850	-.00980	.00700
.600	GRADIENT	-.01383	.00056	-.00056	-.00000	-.00000	.00000	.00077	.00034	-.00077	-.00035

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(C2F0F8) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 18.700 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 3.000

RUN NO. 319/ 0 RN/L = 3.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-1B	ELV-OB	AIL-1B	AIL-OB
.799	-4.008	18.78900	.01710	-.00350	.01000	25.00000	.04260	.02000	.01420	-.00980	.00280
.797	-2.926	18.80300	.01710	-.00350	.01000	25.00000	.02560	.02000	.01420	-.00980	.00280
.797	-1.876	18.79500	.01460	-.00100	.01000	25.00000	.01700	.01500	.01420	-.00480	.00280
.798	-1.351	18.79100	.01460	-.00100	.01000	25.00000	.02560	.01500	.01420	-.00480	.00280
.800	-.827	18.78700	.01460	-.00100	.01000	25.00000	.00850	.01500	.01420	-.00480	.00280
.799	-.301	18.78300	.01460	-.00100	.01000	25.00000	.00000	.01500	.01420	-.00480	.00280
.779	.178	19.66100	.01460	-.00100	.01000	25.00000	-.02510	.01500	.01420	-.00480	.00280
.799	.734	18.78300	.01460	-.00100	.01000	25.00000	.00000	.01500	.01420	-.00480	.00280
.793	1.248	18.77300	.01710	-.00350	.01000	25.00000	-.00840	.02000	.01420	-.00980	.00280
.799	1.748	18.76100	.01960	-.00090	.01000	25.00000	-.01670	.02500	.01420	-.00470	.00280
.799	2.266	18.75400	.01710	-.00350	.01000	25.00000	-.01670	.02000	.01420	-.00980	.00280
.797	3.306	18.74900	.01710	-.00350	.01000	25.00000	-.01670	.02000	.01420	-.00980	.00280
.797	4.350	18.74200	.01710	-.00350	.01000	25.00000	-.03350	.02000	.01420	-.00980	.00280
.799	GRADIENT	-.00746	.00022	-.00011	.00000	.00000	-.00856	.00044	.00000	-.00022	.00000

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AMES 118-1-11 OAI45A 01

(C2F0F9) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = .000
 AILRON = .000
 SPOBRK = .000
 RN/L = .000
 ELEVON = 19.700
 BDFLAP = .000
 RUDDER = 25.000
 RUDDER = 5.000

RUN NO. 334/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.397	-3.976	18.64100	.02220	.00080	.01000	25.00000	.04260	.02010	.02420	.00030	.00130
.397	-2.900	18.65200	.02220	.00080	.01000	25.00000	.04260	.02010	.02420	.00030	.00130
.397	-1.854	18.64700	.02220	.00080	.01000	25.00000	.04260	.02010	.02420	.00030	.00130
.397	-1.330	18.64200	.02220	.00080	.01000	25.00000	.04260	.02010	.02420	.00030	.00130
.397	-1.810	18.63800	.02500	.00210	.01000	25.00000	.03410	.02010	.03000	.00030	.00450
.397	-.286	18.63100	.02220	.00080	.01000	25.00000	.03410	.02010	.02420	.00030	.00130
.397	.225	18.62800	.02220	.00080	.01000	25.00000	.03410	.02010	.02420	.00030	.00130
.398	.743	18.62100	.02500	.00210	.01000	25.00000	.03410	.02010	.03000	.00030	.00450
.397	1.254	18.60900	.02500	.00210	.01000	25.00000	.04260	.02010	.03000	.00030	.00450
.398	1.753	18.59300	.02500	.00210	.01000	25.00000	.04260	.02010	.03000	.00030	.00450
.398	2.270	18.58400	.02500	.00210	.01000	25.00000	.03410	.02010	.03000	.00030	.00450
.398	3.301	18.57200	.02500	.00210	.01000	25.00000	.03410	.02010	.03000	.00030	.00450
.397	4.340	18.55800	.02220	.00080	.01000	25.00000	.02560	.02010	.02420	.00030	.00130
	GRADIENT	-.01193	.00029	-.00030	-.00000	.00000	-.00139	.00000	.00060	-.00000	-.00060

RUN NO. 403/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.598	-4.020	19.03000	.01540	.00180	.00970	25.00000	-.08270	.00510	.02570	.00510	-.00870
.600	-2.972	18.71000	.01580	.00140	.00970	25.00000	-.08270	.00510	.02150	.01020	-.01300
.600	-1.942	18.71000	.01540	.00180	.00970	25.00000	-.08940	.00510	.02570	.00510	-.00870
.602	-1.423	18.71600	.01540	.00180	.01940	25.00000	-.08940	.00510	.02570	.00510	-.00870
.601	-.908	18.71400	.01540	.00180	.00970	25.00000	-.08940	.00510	.02570	.00510	-.00870
.601	-.387	18.71400	.01750	.00030	.00970	25.00000	-.08270	.00510	.03000	.00510	-.00450
.600	.118	19.06300	.01540	.00180	.00970	25.00000	-.09620	.00510	.02570	.00510	-.00870
.600	.646	18.71300	.01790	.00430	.01940	25.00000	-.06920	.01000	.02570	.00010	-.00870
.601	1.166	18.70300	.01750	.00030	.00970	25.00000	-.08270	.00510	.03000	.00510	-.00450
.601	1.672	18.69700	.01540	.00180	.01940	25.00000	-.07590	.00510	.02570	.00510	-.00870
.601	2.193	18.69200	.01290	.00440	.01940	25.00000	-.07590	.00000	.02570	.00000	-.00870
.601	3.232	18.67500	.01530	.00680	.00970	25.00000	-.07590	.00500	.02570	-.00500	-.00870
.601	4.269	18.65900	.01790	.00430	.00970	25.00000	-.07590	.01000	.02570	.00010	-.00870
	GRADIENT	-.02473	.00009	-.00047	.00036	-.00000	.00161	-.00005	.00022	-.00116	.00022

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OAI45 TABULATED FORCE DATA

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(C2F0F9) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

ALPHA =
 AILRON =
 SPDGRK =
 RN/L =

18.700 ELEVON = .000
 .000 BDFLAP = .000
 25.000 RUDDER = .000
 5.000

PARAMETRIC DATA

RUN NO. 407/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDGRK	RUDDER	ELV-08	AIL-1B	AIL-0B
.800	-4.067	18.71900	.01640	-.01640	.00970	25.00000	-.04900	.02300	-.00990	-.02300
.798	-3.011	18.73800	.01640	-.01640	.00000	25.00000	-.06240	.02300	-.00990	-.02300
.800	-1.972	18.73600	.01640	-.01640	.00000	25.00000	-.06920	.02300	-.00990	-.02300
.800	-1.450	18.73400	.01640	-.01640	.00000	25.00000	-.07590	.02300	-.00990	-.02300
.799	-.929	18.73500	.01640	-.01640	.00000	25.00000	-.07590	.02300	-.00990	-.02300
.800	-.400	18.73500	.01640	-.01640	.00000	25.00000	-.07590	.02300	-.00990	-.02300
.799	.099	18.73000	.01640	-.01640	.00970	25.00000	-.06240	.02300	-.00990	-.02300
.799	.639	18.73400	.02070	-.01220	.00000	25.00000	-.07590	.03150	-.00990	-.01450
.799	1.161	18.73000	.02320	-.01470	.00000	25.00000	-.08270	.03150	-.01490	-.01450
.801	1.669	18.72100	.02070	-.01220	.00000	25.00000	-.08270	.03570	-.01490	-.01020
.799	2.197	18.72200	.02530	-.01250	.00000	25.00000	-.08940	.04000	-.01490	-.00600
.800	3.246	18.71400	.02740	-.01040	.00000	25.00000	-.08940	.03570	-.01490	-.01020
.799	4.294	18.70100	.02530	-.01250	.00000	25.00000	-.09620	.00225	-.00074	.00225
	GRADIENT	-.00290	.00150	.00076	-.00057	.00000	-.00483			

OAI45 TABULATED FORCE DATA
AMES 118-1-11 OAI45A 01

DATE 10 MAR 80

(C2F000) (16 JUL 77)

REFERENCE DATA

SREF = 2690.000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 18.700 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPOBRK = 25.000 RUDDER = .000
RN/L = 9.000

RUN NO. 335/ 0 RN/L = 6.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-1B	AIL-1B	ELV-OB	AIL-OB	AIL-OB
.597	-4.024	18.80600	.02720	.00000	.01000	25.00000	.35790	.02010	.00030	.03420	.00030	-.00020
.597	-2.985	18.80800	.02500	-.00210	.01000	25.00000	.05970	.02010	.00030	.03000	.00030	-.00450
.597	-1.943	18.80400	.02500	-.00210	.01000	25.00000	-.12550	.02010	.00030	.03000	.00030	-.00450
.598	-1.420	18.81200	.02500	-.00210	.01000	25.00000	.00000	.02010	.00030	.03000	.00030	-.00450
.597	-.899	18.80300	.02500	-.00210	.01000	25.00000	-.01670	.02010	.00030	.03000	.00030	-.00450
.597	-.373	18.80000	.02500	-.00210	.01000	25.00000	.00000	.02010	.00030	.03420	.00030	-.00020
.596	.164	19.42500	.02720	.00000	.01000	25.00000	.13640	.02010	.00030	.03000	.00030	-.00450
.597	.675	18.79100	.02500	-.00210	.01000	25.00000	-.07530	.02010	.00030	.03000	.00030	-.00450
.597	1.197	18.77900	.02500	-.00210	.01000	25.00000	-.09200	.02010	.00030	.03000	.00030	-.00450
.597	1.709	18.76700	.02500	-.00210	.01000	25.00000	-.14220	.02010	.00030	.03000	.00030	-.00450
.597	2.238	18.76000	.02500	-.00210	.01000	25.00000	-.07530	.02010	.00030	.03000	.00030	-.00450
.598	3.284	18.74200	.02500	-.00210	.01000	25.00000	.00000	.02010	.00030	.03000	.00030	-.00450
.597	4.331	18.72500	.02500	-.00210	.01000	25.00000	-.08370	.02010	.00030	.03000	.00030	-.00450
	GRADIENT	-.01028	-.00013	-.00012	.00000	.00000	-.03191	.00000	.00000	-.00025	.00000	-.00025

RUN NO. 340/ 0 RN/L = 7.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-1B	AIL-1B	ELV-OB	AIL-OB	AIL-OB
.799	-4.156	18.79500	.02550	-.00170	.02000	25.00000	-.09200	.02520	.00540	.02570	.00540	-.00870
.798	-3.091	18.82300	.02580	-.00710	.02000	25.00000	-.35970	.02010	.00030	.03150	.00030	-.01450
.798	-2.033	18.82800	.02580	-.00710	.02000	25.00000	.03410	.02010	.00030	.03150	.00030	-.01450
.799	-1.500	18.83200	.02580	-.00710	.02000	25.00000	.00000	.02010	.00030	.03150	.00030	-.01450
.798	-.963	18.82000	.02580	-.00710	.02000	25.00000	-.07530	.02010	.00030	.03150	.00030	-.01450
.799	-.427	18.81900	.02580	-.00710	.02000	25.00000	-.08370	.02010	.00030	.03150	.00030	-.01450
.800	.105	18.81200	.02580	-.00710	.02000	25.00000	-.09200	.02010	.00030	.03150	.00030	-.01450
.800	.639	18.80900	.02580	-.00710	.02000	25.00000	.02510	.02010	.00030	.03150	.00030	-.01450
.799	1.166	18.79600	.02580	-.00710	.02000	25.00000	.00000	.02010	.00030	.03150	.00030	-.01450
.799	1.688	18.78200	.02580	-.00710	.02000	25.00000	.05970	.02010	.00030	.03150	.00030	-.01450
.799	2.226	18.78400	.02580	-.00710	.02000	25.00000	-.19600	.02010	.00030	.03150	.00030	-.01450
.799	3.297	18.78900	.02870	-.01000	.02000	25.00000	-.10040	.02010	.00030	.03720	.00030	-.02020
.799	4.361	18.78400	.02870	-.01000	.03000	25.00000	.04260	.02010	.00030	.03720	.00030	-.02020
	GRADIENT	-.00488	.00031	-.00061	.00087	.00000	.02646	-.00029	-.00029	.00091	-.00029	-.00091

DATE 10 MAR 80

OA145 TABULATED FORCE DATA

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AMES 118-1-11 0A145A 01

(C2F0G1) (16 JUL 77)

REFERENCE DATA

=	SREF	=	2690.0000	SO.FT.	XMRP	=	1076.6800	IN. ZO
=	LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. YO
=	BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. ZO
=	SCALE	=	.0500					

BETA	-
AILRON	-
SPOBRK	-
RN/L	-

2.000	ELEVON	=	.000
.000	BD/FLAP	=	.000
25.000	RUDDER	=	.000
3.000			

PARAMETRIC DATA

RUN NO. 858/ 0 RN/L = 3.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.400	2.01420		.01460	-.00020	.00000	25.00000	-.12310	.02500	.00430	-.00470	.00430
.398	-.037	2.08210	.01460	-.00020	.00000	25.00000	-.11640	.02500	.00430	-.00470	.00430
.398	2.518	2.14930	.01460	-.00020	.00000	25.00000	-.12310	.02500	.00430	-.00470	.00430
.398	5.160	2.13610	.01460	-.00020	.00000	25.00000	-.11640	.02500	.00430	-.00470	.00430
.399	8.197	2.12730	.01460	-.00020	.00000	25.00000	-.12310	.02500	.00430	-.00470	.00430
.399	10.211	2.13230	.01460	-.00020	.00000	25.00000	-.11640	.02500	.00430	-.00470	.00430
.399	12.195	2.14510	.01460	-.00020	.00000	25.00000	-.12310	.02500	.00430	-.00470	.00430
.399	15.219	2.18130	.01210	-.00280	.00000	25.00000	.010960	.02000	.00430	-.00980	.00430
.399	17.204	2.19540	.01960	-.00100	.00000	25.00000	-.12310	.02500	.01430	-.00470	.00270
.397	19.242	2.23190	.00970	.00470	.00000	25.00000	-.08270	.01510	.00430	.00520	.00430
	GRADIENT	.01739	-.00000	.00000	.00000	.00000	.00018	.00000	.00000	.00000	.00000

RUN NO.	859/ 0	RN/L =	3.00	GRADIENT INTERVAL =	-5.00/	5.00
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MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.598	-5.021	2.03220	.00760	.00260	.00000	25.00000	-.11640	.01510	.00000	.00520	.00000
.599	-.038	2.09250	.00250	.00250	.00000	25.00000	-.10290	.00510	.00000	.00510	.00000
.598	2.516	2.15490	.00250	.00250	.00000	25.00000	-.08940	.00510	.00000	.00510	.00000
.596	5.140	2.15560	.00250	.00250	.00000	25.00000	-.08940	.00510	.00000	.00510	.00000
.595	8.196	2.14070	.00750	-.00240	.00000	25.00000	-.08270	.01500	.00000	-.00480	.00000
.595	10.185	2.14880	.00750	-.00240	.00000	25.00000	-.08940	.01500	.00000	-.00480	.00000
.595	12.238	2.17090	.00500	-.00490	.00000	25.00000	-.08940	.01500	-.00510	-.00480	-.00510
.595	15.222	2.21160	.00750	-.00240	.00000	25.00000	-.08270	.01500	.00000	-.00480	.00000
.597	17.248	2.20800	.00750	-.00240	.00000	25.00000	-.08270	.01500	.00000	-.00480	.00000
.597	19.166	2.23330	.00750	-.00240	.00000	25.00000	-.08940	.01500	.00000	-.00480	.00000
	GRADIENT	.0244.3	.00000	.00000	.00000	.00000	.00529	.00000	.00000	.00000	.00000

RUN NO.	860 / 0	RN/L =	2.98	GRADIENT INTERVAL =	-5.00 /	5.00
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MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.801	-4.994	2.04130	.00750	-.00240	.00000	25.00000	-.08940	.01500	.00000	-.00480	.00000
.801	-.047	2.09900	.00750	-.00240	.00000	25.00000	-.09620	.01500	.00000	-.00480	.00000
.800	2.516	2.16330	.01180	.00180	.00000	25.00000	.08940	.01500	.00850	-.00480	.00850
.797	5.146	2.17100	.00920	-.00070	.00000	25.00000	-.08270	.00990	.00850	-.00990	.00850
.796	8.222	2.15340	.00920	-.00070	.00000	25.00000	-.06240	.00990	.00850	-.00990	.00850
.796	10.255	2.17360	.00910	.00450	.00000	25.00000	-.04220	.01500	.00320	-.00480	.01390
.799	12.248	2.19260	.01180	.00180	.00000	25.00000	-.02870	.01500	.00850	-.00480	.00850
.799	15.268	2.23350	.01180	.00180	.00000	25.00000	.01170	.01500	.00850	-.00480	.00850
.796	17.242	2.23100	.00920	-.00070	.00000	25.00000	.01170	.00990	.00850	-.00990	.00850
.796	19.174	2.27230	.01180	.00180	.03880	25.00000	.01170	.01500	.00850	-.00480	.00850
	GRADIENT	-.01563	.00050	.00048	.00000	.00000	-.00019	.00000	.00098	-.00000	.00098

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OAI145 TABULATED FORCE DATA

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AMES 118-1-11 OAI145A 01

(C2F002) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA =
 AILRON =
 SPDBRK =
 RN/L =
 ELEVON = 2.000
 BDFLAP = .000
 RUDDER = 25.000
 RUDDER = 5.000

RUN NO. 863/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.397	-5.006	2.01750	.01000	-.00570	.00000	25.00000	-.08270	.00990	.01000	-.00990	-.00150
.397	-.026	2.09840	.01000	-.00570	.00000	25.00000	-.10290	.00990	.01000	-.00990	-.00150
.397	2.516	2.15980	.01000	-.00570	.00000	25.00000	-.10290	.00990	.01000	-.00990	-.00150
.396	5.151	2.17110	.01000	-.00570	.00000	25.00000	-.08940	.00990	.01000	-.00990	-.00150
.396	8.174	2.14820	.01210	-.00360	.00000	25.00000	-.04900	.00990	.01430	-.00990	.00270
.395	10.233	2.16050	.01210	-.00360	.00000	25.00000	-.04220	.00990	.01430	-.00990	.00270
.395	12.244	2.18060	.01210	-.00360	.00000	25.00000	-.03550	.00990	.01430	-.00990	.00270
.397	15.264	2.22220	.01210	-.00360	.00000	25.00000	-.01520	.00990	.01430	-.00990	.00270
.397	17.227	2.21410	.01210	-.00360	.00000	25.00000	-.02200	.00990	.01430	-.00990	.00270
.397	19.164	2.25060	.01210	-.00360	.00000	25.00000	-.02200	.00990	.01430	-.00990	.00270
.397	GRADIENT	.02415	.00000	.00000	.00000	.00000	.00000	.00000	.00000	-.00000	.00000

AMES 118-1-11 OAI145A 01

(C2F003) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA =
 AILRON =
 SPDBRK =
 RN/L =
 ELEVON = 2.000
 BDFLAP = .000
 RUDDER = 25.000
 RUDDER = 6.900

RUN NO. 862/ 0 RN/L = 6.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.596	-5.066	2.07300	.01500	-.00650	.00970	25.00000	-.06240	.00990	.02000	-.00990	-.00300
.597	-.030	2.11940	.01210	-.00360	.00970	25.00000	-.03550	.00990	.01430	-.00990	.00270
.597	2.526	2.18490	.01210	-.00360	.00970	25.00000	-.04220	.00990	.01430	-.00990	.00270
.596	5.151	2.22610	.01210	-.00360	.00970	25.00000	-.02200	.00990	.01430	-.00990	.00270
.598	8.286	2.23860	.01500	-.00650	.00970	25.00000	-.00850	.00990	.02000	-.00990	-.00300
.597	10.341	2.24180	.01210	-.00360	.00970	25.00000	-.01520	.00990	.01430	-.00990	.00270
.597	12.347	2.24880	.01210	-.00360	.00970	25.00000	-.00180	.00990	.01430	-.00990	.00270
.596	15.384	2.28270	.01210	-.00360	.01940	25.00000	-.00180	.00990	.01430	-.00990	.00270
.596	17.323	2.28560	.01500	-.00650	.01940	25.00000	-.00180	.00990	.02000	-.00990	-.00300
.596	19.267	2.29080	.01500	-.00650	.01940	25.00000	.00500	.00990	.02000	-.00990	-.00300
.596	GRADIENT	.02562	-.00000	.00000	.00000	-.00000	-.00262	-.00000	.00000	.00000	-.00000

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(C2F0G4) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO.

861/ 0

RN/L =

7.99

GRADIENT INTERVAL =

-5.00/ 5.00

PARAMETRIC DATA

BETA =
 AILRON =
 SPOBRK =
 RN/L =
 ELEVON =
 BOFLAP =
 RUDDER =

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MACH

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 GRADIENT

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 17.406
 19.369
 .01853

BETA
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REFERENCE DATA

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 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO.

918/ 0

RN/L =

4.98

GRADIENT INTERVAL =

-5.00/ 5.00

PARAMETRIC DATA

BETA =
 AILRON =
 SPOBRK =
 RN/L =
 ELEVON =
 BOFLAP =
 RUDDER =

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SPOBRK
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OAI45 TABULATED FORCE DATA

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AMES (18-1-11 OAI45A 01(-MPS NOZ)

(C2F005) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

BETA = .000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 915/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
.902	-5.238	-.03410	.01960	-.00100	.00000	25.00000	-.10960	.01430	-.00470	.00270
.901	-.228	.00960	.01960	-.00600	-.01000	25.00000	-.10960	.01430	-.01470	.00270
.900	2.357	.02040	.01960	-.00600	-.01000	25.00000	-.10960	.01430	-.01470	.00270
.898	4.858	.04520	.02210	-.00340	-.01000	25.00000	-.10290	.01430	-.00960	.00270
.903	7.965	.03770	.01960	-.00600	-.01000	25.00000	-.10290	.01430	-.01470	.00270
.899	9.992	.03730	.01960	-.00600	.00000	25.00000	-.09620	.01430	-.01470	.00270
.902	12.027	.03450	.02430	-.00130	.00000	25.00000	-.09620	.01850	-.00960	.00700
.902	15.072	.03340	.02430	-.00130	.00000	25.00000	-.10290	.01850	-.00960	.00700
.901	17.065	.06200	.02640	.00080	.00000	25.00000	-.08270	.02280	-.00960	.01120
.900	18.999	.09560	.02600	.00040	.00000	25.00000	-.02870	.02700	-.01470	.01550
	GRADIENT	.00698	.00049	.00051	.00000	-.00000	.00131	.00000	.00100	.00000

RUN NO. 914/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
1.199	-5.247	-.03220	.01710	-.00350	.00000	25.00000	-.12310	.01430	-.00980	.00270
1.199	-.217	.00760	.01500	-.00560	.00300	25.00000	-.12310	.01000	-.00980	-.00150
1.201	2.366	.01720	.01500	-.00560	.00300	25.00000	-.12310	.01000	-.00980	-.00150
1.200	4.911	.03850	.01710	-.00350	.00000	25.00000	-.12310	.01430	-.00980	.00270
1.198	7.997	.03210	.01640	.00150	.00000	25.00000	-.11640	.01280	-.00980	.01280
1.199	10.040	.03200	.02140	.00070	.00000	25.00000	-.11640	.02280	-.00980	.01120
1.200	12.069	.02710	.01850	.00360	.00000	25.00000	-.10960	.01700	-.00980	.01700
1.200	15.077	.02600	.02140	.00070	.00000	25.00000	-.10960	.02280	-.00980	.01120
1.199	17.062	.03530	.01920	-.00140	.00000	25.00000	-.10960	.01850	-.00980	.00700
1.197	19.033	.06020	.02100	.00110	.00000	25.00000	-.11640	.01700	-.01470	.01700
	GRADIENT	.00602	.00041	.00041	.00000	.00000	.00000	.00084	.00000	.00082

RUN NO. 911/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-OB	AIL-IB	AIL-OB
1.405	-5.238	-.03820	.01260	.00190	.02910	25.00000	-.12310	.01000	.00520	.00150
1.405	-.230	.00200	.00710	.00220	.02910	25.00000	-.12310	.00430	.00010	.00430
1.402	2.329	.00970	.00970	.00390	.02910	25.00000	-.12310	.01430	.00510	.00270
1.400	4.884	.03730	.00930	.00930	.02910	25.00000	-.12310	.00850	.01020	.00850
1.401	7.961	.01890	.00930	.00930	.02910	25.00000	-.12310	.00850	.01020	.00850
1.401	10.007	.02450	.01640	.00650	.01940	25.00000	-.12310	.01280	.00030	.01280
1.402	12.032	.02260	.01640	.00650	.01940	25.00000	-.12310	.01280	.00030	.01280
1.403	15.032	.02890	.01720	.00150	.01940	25.00000	-.12310	.01430	.00030	.00270
1.390	17.055	.05900	.01460	-.00100	.02910	25.00000	-.12310	.01430	-.00480	.00270
1.382	19.035	.07160	.01680	.00110	.02910	25.00000	-.12310	.01850	-.00480	.00700
	GRADIENT	.00768	.00043	.00139	.00000	-.00000	.00000	.00082	.00197	.00082

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OA145 TABULATED FORCE DATA

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AMES 118-1-11 0A145A 01 (-MPS NOZ)

(C2F008) (16 JUL 77)

REFERENCE DATA

SREF
LREF
BREF
SCALE

SREF	=	2690.0000	SO.FT.	XMRP	=	1076.6800	IN.	XO
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN.	YO
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN.	ZO
SCALE	=	.0500						

ALPHA	=	5.000	ELEVON	=	.000
AILRON	=	.000	BDFLAP	=	.000
SPDBRK	=	25.000	RUDDER	=	.000
RN/L	=	5.000			

RUN NO.	912/ 0	RN/L = 4.99	GRADIENT INTERVAL = -5.00/ 5.00
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MACH
1.401
1.405
1.404
1.404
1.404
1.403
1.403
1.403
1.403

BETA
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-2.093
-1.035
- .012
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 2.134
 3.179
 4.228
 6.341
ADIENT

ALPHA
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5.02490
5.03100
4.92870
4.96330
4.99020
4.99340
5.00490
5.00980
5.02140
- .00053

ELEVON
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0100
0400
0180
0100
00180
00180
00052

[illegible][illegible]

RUDDER
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-- 12310
-- 12310
-- 13210
-- 13210
-- 14110
-- 15000
-- 00280

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ELV-08
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 . 00850
 . 00028

AIL-18
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- . 00480
- . 00480
- . 00480
- . 00050

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AMES 118-1-11 0A145A 01

(C2F0G7) (01 SEP 77)

REFERENCE DATA

SREF
LREF
BREF
SCALE

SREF	=	2690.0000	SO.FT.	XMRP	=	1076.6800	IN. ZO
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. ZO
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. ZO
SCALE	=	.0500					

ALPHA	=	5.000	BETA	=	.000
ELEVON	=	.000	AILRON	=	.000
BDFLAP	=	.000	SPDBRK	=	25.000
RUDDER	=	.000	RN/L	=	5.000

356/ 0	RN/L = 4.91	GRADIENT INTERVAL = -5.00/ 5.00
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MACH	Z	GRADIENT
1.098	-40.000	
1.102	-20.000	
1.104	.000	
1.100	20.000	
1.102	40.000	

ALPHA
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5.15180
5.14120
5.08500
5.09400
.00000

BETA
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ELEVON
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 .01790
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AILRON
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BDFLAP
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SPDRX

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. 01700
. 00000

ELV-1B
 .01000
 .01000
 .02010
 .01000
 .02010
 .00000

ELV-OB
 . 02420
 . 02420
 . 02420
 . 01570
 . 01570
 . 00000

DATE 10 MAR 80,

0A145 TABULATED FORCE DATA

PAGE 1245

AMES 118-1-11 0A145A 01

(C2F007) (01 SEP 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BRFL = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPDGRK = 25.000
 RUDDER = .000 RN/L = 5.000

RUN NO. 367/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDGRK	RUDDER	ELV-1B	ELV-0B
1.199	-40.000	5.16300	.16310	.00960	-.00030	.00000	25.00000	.00000	.01500	.00430
1.206	-20.000	5.12750	.16280	.01720	.00150	.00000	25.00000	.00000	.02010	.01420
1.200	-10.000	5.10550	.16520	.01750	-.00390	.00000	25.00000	.00000	.01500	.02000
1.204	.000	5.07280	.16210	.01460	-.00100	.00000	25.00000	.00000	.01500	.01420
1.197	20.000	5.04120	.16090	.01710	-.00350	.00000	25.00000	.00000	.02000	.01420
1.199	40.000	5.01550	.16600	.02250	-.00380	.00000	25.00000	.00000	.02500	.02000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

AMES 118-1-11 0A145A 01

(C2F008) (01 SEP 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BRFL = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPDGRK = .000
 RUDDER = .000 RN/L = 5.000

RUN NO. 886/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDGRK	RUDDER	ELV-1B	ELV-0B
.951	-40.000	4.91470	.04360	.01750	-.00310	.01940	.00000	-.10960	.02500	.01000
.951	-30.000	4.89330	.03890	.01750	-.00310	.01940	.00000	-.09620	.02500	.01000
.953	-20.000	4.88960	.04130	.01750	-.00310	.01940	.00000	-.10290	.02500	.01000
.952	-10.000	4.88010	.04360	.01750	-.00310	.01940	.00000	-.09620	.02500	.01000
.952	-5.000	4.87630	.04300	.01750	-.00310	.01940	.00000	-.09620	.02500	.01000
.952	.000	4.86860	.04180	.01960	-.00100	.01940	.00000	-.09620	.02500	.01430
.951	5.000	4.86590	.04080	.01960	-.00100	.01940	.00000	-.09620	.02500	.01430
.953	10.000	4.86300	.03930	.01960	-.00100	.01940	.00000	-.10290	.02500	.01430
.952	20.000	4.83930	.03690	.01960	-.00100	.01940	.00000	-.09620	.02500	.01430
.951	30.000	4.81760	.03580	.01960	-.00100	.01940	.00000	-.10290	.02500	.01430
.948	40.000	4.79320	.03830	.01960	-.00100	.01940	.00000	-.10290	.02500	.01430
	GRADIENT	-.00104	-.00022	.00021	.00021	.00000	.00000	.00000	.00000	.00043

OAI145 TABULATED FORCE DATA

DATE 10 MAR 80

(C2F0G8) (01 SEP 77)

AMES 118-1-111 OAI145A 01

REFERENCE DATA
 SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA
 ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPOBRK = .000
 RUDDER = .000 RN/L = 5.000

RUN NO. 887/ 0		RN/L = 5.00		GRADIENT INTERVAL = -5.00/ 5.00	
MACH	Z	ALPHA	BETA	ELEVON	AILRON
1.050	-40.000	5.02470	.04450	.01960	-.00100
1.051	-30.000	5.00030	.04060	.01960	-.00100
1.052	-20.000	4.99330	.04340	.01960	-.00100
1.052	-10.000	4.98090	.04540	.02180	.00120
1.052	.000	4.96050	.04320	.02180	.00120
1.052	10.000	4.94320	.04070	.02430	.00370
1.052	20.000	4.87480	.03610	.02430	.00370
1.051	30.000	4.87390	.03600	.02430	.00370
1.051	35.000	4.88050	.03780	.02430	.00370
1.051	GRADIENT	.00000	.00000	.00000	.00000
RUN NO. 889/ 0		RN/L = 4.99		GRADIENT INTERVAL = -5.00/ 5.00	
MACH	Z	ALPHA	BETA	ELEVON	AILRON
1.199	-40.000	5.05960	.04350	.02220	.00160
1.199	-30.000	4.88080	.03330	.01960	-.00100
1.201	-20.000	4.91720	.03700	.02220	.00160
1.200	-10.000	4.88970	.03870	.02220	.00160
1.200	.000	4.84200	.03640	.02180	.00120
1.200	10.000	4.86350	.03650	.01960	-.00100
1.198	20.000	4.85260	.03570	.01960	-.00100
1.199	30.000	4.85150	.03520	.01960	-.00100
1.200	35.000	4.87970	.03810	.01940	-.00100
1.200	GRADIENT	.00000	.00000	.00000	.00000

RUN NO. 894/ 0		RN/L = 5.01		GRADIENT INTERVAL = -5.00/ 5.00	
MACH	Z	ALPHA	BETA	ELEVON	AILRON
1.294	-40.000	4.94340	.03790	.02180	.00620
1.299	-30.000	4.91480	.03400	.02180	.00620
1.296	-20.000	4.86118	.03600	.02180	.00620
1.298	-10.000	4.84920	.03730	.02400	.00830
1.293	.000	4.85590	.03540	.02400	.00830
1.297	10.000	4.85970	.03360	.02400	.00830
1.296	20.000	4.80760	.03160	.02180	.00620
1.296	30.000	4.75790	.03140	.02180	.00620
1.296	35.000	4.77670	.03310	.02180	.00620
1.296	GRADIENT	.00000	.00000	.00000	.00000

RUN NO. 887/ 0		RN/L = 5.00		GRADIENT INTERVAL = -5.00/ 5.00	
MACH	Z	ALPHA	BETA	ELEVON	AILRON
1.050	-40.000	5.02470	.04450	.01960	-.00100
1.051	-30.000	5.00030	.04060	.01960	-.00100
1.052	-20.000	4.99330	.04340	.01960	-.00100
1.052	-10.000	4.98090	.04540	.02180	.00120
1.052	.000	4.96050	.04320	.02180	.00120
1.052	10.000	4.94320	.04070	.02430	.00370
1.052	20.000	4.87480	.03610	.02430	.00370
1.051	30.000	4.87390	.03600	.02430	.00370
1.051	35.000	4.88050	.03780	.02430	.00370
1.051	GRADIENT	.00000	.00000	.00000	.00000
RUN NO. 889/ 0		RN/L = 4.99		GRADIENT INTERVAL = -5.00/ 5.00	
MACH	Z	ALPHA	BETA	ELEVON	AILRON
1.199	-40.000	5.05960	.04350	.02220	.00160
1.199	-30.000	4.88080	.03330	.01960	-.00100
1.201	-20.000	4.91720	.03700	.02220	.00160
1.200	-10.000	4.88970	.03870	.02220	.00160
1.200	.000	4.84200	.03640	.02180	.00120
1.200	10.000	4.86350	.03650	.01960	-.00100
1.198	20.000	4.85260	.03570	.01960	-.00100
1.199	30.000	4.85150	.03520	.01960	-.00100
1.200	35.000	4.87970	.03810	.01940	-.00100
1.200	GRADIENT	.00000	.00000	.00000	.00000
RUN NO. 894/ 0		RN/L = 5.01		GRADIENT INTERVAL = -5.00/ 5.00	
MACH	Z	ALPHA	BETA	ELEVON	AILRON
1.294	-40.000	4.94340	.03790	.02180	.00620
1.299	-30.000	4.91480	.03400	.02180	.00620
1.296	-20.000	4.86118	.03600	.02180	.00620
1.298	-10.000	4.84920	.03730	.02400	.00830
1.293	.000	4.85590	.03540	.02400	.00830
1.297	10.000	4.85970	.03360	.02400	.00830
1.296	20.000	4.80760	.03160	.02180	.00620
1.296	30.000	4.75790	.03140	.02180	.00620
1.296	35.000	4.77670	.03310	.02180	.00620
1.296	GRADIENT	.00000	.00000	.00000	.00000

RUN NO. 887/ 0		RN/L = 5.00		GRADIENT INTERVAL = -5.00/ 5.00	
MACH	Z	ALPHA	BETA	ELEVON	AILRON
1.050	-40.000	5.02470	.04450	.01960	-.00100
1.051	-30.000	5.00030	.04060	.01960	-.00100
1.052	-20.000	4.99330	.04340	.01960	-.00100
1.052	-10.000	4.98090	.04540	.02180	.00120
1.052	.000	4.96050	.04320	.02180	.00120
1.052	10.000	4.94320	.04070	.02430	.00370
1.052	20.000	4.87480	.03610	.02430	.00370
1.051	30.000	4.87390	.03600	.02430	.00370
1.051	35.000	4.88050	.03780	.02430	.00370
1.051	GRADIENT	.00000	.00000	.00000	.00000
RUN NO. 889/ 0		RN/L = 4.99		GRADIENT INTERVAL = -5.00/ 5.00	
MACH	Z	ALPHA	BETA	ELEVON	AILRON
1.199	-40.000	5.05960	.04350	.02220	.00160
1.199	-30.000	4.88080	.03330	.01960	-.00100
1.201	-20.000	4.91720	.03700	.02220	.00160
1.200	-10.000	4.88970	.03870	.02220	.00160
1.200	.000	4.84200	.03640	.02180	.00120
1.200	10.000	4.86350	.03650	.01960	-.00100
1.198	20.000	4.85260	.03570	.01960	-.00100
1.199	30.000	4.85150	.03520	.01960	-.00100
1.200	35.000	4.87970	.03810	.01940	-.00100
1.200	GRADIENT	.00000	.00000	.00000	.00000
RUN NO. 894/ 0		RN/L = 5.01		GRADIENT INTERVAL = -5.00/ 5.00	
MACH	Z	ALPHA	BETA	ELEVON	AILRON
1.294	-40.000	4.94340	.03790	.02180	.00620
1.299	-30.000	4.91480	.03400	.02180	.00620
1.296	-20.000	4.86118	.03600	.02180	.00620
1.298	-10.000	4.84920	.03730	.02400	.00830
1.293	.000	4.85590	.03540	.02400	.00830
1.297	10.000	4.85970	.03360	.02400	.00830
1.296	20.000	4.80760	.03160	.02180	.00620
1.296	30.000	4.75790	.03140	.02180	.00620
1.296	35.000	4.77670	.03310	.02180	.00620
1.296	GRADIENT	.00000	.00000	.00000	.00000

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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(C2F008) (01 SEP 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 BETA = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELEVON = .000 AILRON = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO BDFLAP = .000 SPOBRK = .000
 SCALE = .0500 RUDDER = .000 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 895/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-1B	ELV-0B
1.400	-40.000	4.94560	.03810	.01930	.00360	.02910	.00000	-.10290	.02010	.01850
1.405	-30.000	4.87130	.03250	.01930	.00360	.02910	.00000	-.10290	.02010	.01850
1.409	-20.000	4.82190	.03340	.01930	.00360	.02910	.00000	-.10290	.02010	.01850
1.407	-10.000	4.83150	.03460	.01930	.00360	.02910	.00000	-.10960	.02010	.01850
1.407	.000	4.83600	.03380	.01930	.00360	.02910	.00000	-.10960	.02010	.01850
1.404	10.000	4.84050	.03310	.01930	.00360	.02910	.00000	-.10960	.02010	.01850
1.401	20.000	4.82170	.03100	.01930	.00360	.02910	.00000	-.10960	.02010	.01850
1.398	30.000	4.72910	.03020	.01930	.00360	.02910	.00000	-.10960	.02010	.01850
1.399	35.000	4.69050	.03080	.01720	.00150	.02910	.00000	-.10960	.02010	.01430
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(C2F009) (16 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO Z = -20.000 ALPHA = 5.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO BETA = .000 ELEVON = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO AILRON = .000 BDFLAP = .000
 SCALE = .0500 SPOBRK = .000 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 892/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.199	-10.771	4.93120	.04070	.01960	-.00100	.01940	.00000	.02500	.01430	-.00470	.00270
1.201	-4.954	4.92730	.03900	.01960	-.00100	.00970	.00000	.02500	.01430	-.00470	.00270
1.201	-2.442	4.92610	.03880	.02430	.00370	.00970	.00000	.03010	.01850	.00040	.00700
1.199	-.123	4.92680	.03760	.02430	.00370	.00970	.00000	.03010	.01850	.00040	.00700
1.201	2.496	4.92730	.03590	.02430	.00370	.00970	.00000	.03010	.01850	.00040	.00700
1.200	5.005	4.92950	.03510	.02430	.00370	.00970	.00000	.03010	.01850	.00040	.00700
1.200	10.027	4.93060	.03280	.02430	.00370	.00970	.00000	.03010	.01850	.00040	.00700
	GRADIENT	.00003	-.00043	.00057	.00057	.00036	.00000	.00062	.00051	.00062	.00052

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

(C2F0H0) (16 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 890/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.201	-10.771	4.88480	.04100	.02220	.00160	.01940	.00000	.03010	.01430	.00040	.00270
1.201	-4.954	4.88490	.04050	.02220	.00160	.00970	.00000	.03010	.01430	.00040	.00270
1.201	-2.459	4.88500	.03920	.01960	.00100	.00970	.00000	.02500	.01430	.00470	.00270
1.201	-1.116	4.88490	.03910	.01960	.00100	.00970	.00000	.02500	.01430	.00470	.00270
1.201	2.513	4.88590	.03720	.01960	.00100	.00970	.00000	.02500	.01430	.00470	.00270
	GRADIENT	.00012	-.00041	-.00031	-.00031	.00000	.00000	-.00062	-.00000	-.00062	-.00000

PARAMETRIC DATA

Z = 35.000 ALPHA = 5.000
 BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = .000 RN/L = 5.000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 893/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.199	-10.762	4.97480	.04210	.02180	.00120	.01940	.00000	.02500	.01850	.00470	.00700
1.201	-4.954	4.97920	.04120	.02180	.00120	.00970	.00000	.02500	.01850	.00470	.00700
1.201	-2.451	4.97740	.04050	.02180	.00120	.00970	.00000	.02500	.01850	.00470	.00700
1.201	-1.116	4.97550	.03930	.02180	.00120	.00970	.00000	.02500	.01850	.00470	.00700
1.201	2.496	4.97270	.03810	.02180	.00120	.00970	.00000	.02500	.01850	.00470	.00700
1.201	5.024	4.97480	.03680	.02180	.00120	.00970	.00000	.02500	.01850	.00470	.00700
1.201	10.003	4.98150	.03420	.02180	.00120	.00970	.00000	.02500	.01850	.00470	.00700
	GRADIENT	-.00087	-.00043	.00000	.00000	.00000	.00000	-.00000	-.00000	.00000	.00000

PARAMETRIC DATA

Z = -40.000 ALPHA = 5.000
 BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = .000 RN/L = 5.000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

.000 ALPHA = 5.000
.000 ELEVON = .000
.000 BOFLAP = .000
.000 RN/L = 5.000

Z
BETA
AILRON
SPDBRK

RUN NO. 891/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	ELV-OB	AIL-OB	AIL-IB
1.201	-10.754	4.91100	.04220	.01960	.00100	.01940	.00000	.01430	.00470	.00270
1.201	-4.939	4.91050	.04130	.02220	.00160	.00970	.00000	.01430	.00040	.00270
1.200	-2.442	4.90940	.04080	.02220	.00160	.01940	.00000	.01430	.00040	.00270
1.200	-1.103	4.91000	.03950	.02220	.00160	.01940	.00000	.01430	.00040	.00270
1.201	2.505	4.91020	.03760	.02220	.00160	.00970	.00000	.01430	.00040	.00270
1.201	5.024	4.91050	.03650	.02220	.00160	.00970	.00000	.01430	.00040	.00270
1.201	10.003	4.91200	.03470	.02220	.00160	.00970	.00000	.01430	.00040	.00270
1.201	GRADIENT	-1.00001	-1.00050	-1.00000	.00000	-1.00002	.00000	.00000	.00000	.00000

(C2F0H2) (16 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

2.000 ELEVON = .000
.000 BOFLAP = .000
25.000 RUDDER = .000
5.000

BETA
AILRON
SPDBRK
RN/L

RUN NO. 170/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	ELV-OB	AIL-OB	AIL-IB
1.194	-9.867	2.04320	-.03620	-.01110	-.06030	-.01670	.02720	-.04530	-.00700	.01530
1.201	-4.847	2.08680	-.03630	-.01620	-.06030	-.00840	.02720	-.04540	-.00700	.02540
1.202	.181	2.19350	-.03910	-.01400	-.05030	.00000	.03290	-.04530	-.01270	.01530
1.199	2.872	2.26790	-.04160	-.01650	-.05030	.00000	.03290	-.05040	-.01270	.02040
1.196	5.543	2.20060	-.03910	-.01900	-.05030	.00850	.03290	-.04540	-.01270	.02540
1.200	6.350	2.17140	-.04160	-.02150	-.05030	.02560	.03290	-.05040	-.01270	.03040
1.195	7.539	2.18710	-.04160	-.01650	-.05030	.03410	.03290	-.05040	-.01270	.02040
1.198	8.549	2.13050	-.04410	-.01900	-.05030	.03410	.03290	-.05440	-.01270	.02540
1.200	9.310	2.20090	-.04160	-.01650	-.05030	.03410	.03290	-.05040	-.01270	.02040
1.196	10.599	2.21620	-.03910	-.01400	-.05030	.08520	.03290	-.04530	-.01270	.01530
1.199	11.412	2.22330	-.04410	-.01650	-.05030	.11080	.03290	-.05540	-.01270	.02040
1.197	12.609	2.24340	-.04160	-.01650	-.05030	.13640	.03290	-.05040	-.01270	.02040
1.199	13.852	2.26490	-.04160	-.01650	-.05030	.16190	.03290	-.05040	-.01270	.02040
1.195	15.909	2.31770	-.04160	-.01650	-.07040	.16190	.03290	-.05040	-.01270	.02040
1.195	20.655	2.39290	-.04160	-.01650	-.07040	.26420	.03290	-.05040	-.01270	.03040
1.194	GRADIENT	-.01310	-.00067	-.00002	.00139	.00000	.00079	-.00056	-.00079	.00082

(C2F0H3) (16 JUL 77)

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

PAGE 1251

AMES 118-1-11 OAI45A 01

(C2F0H3) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0900

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
 AILRON = .000 RDFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 142/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	RDFLAP	SPOBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.294	-5.619	2.09370	-.04170	-.02660	-.09050	25.00000	-.00840	-.03290	-.05050	-.01270	-.04050
1.296	-.195	2.20690	-.04170	-.02660	-.08040	25.00000	-.01670	-.03290	-.05050	-.01270	-.04050
1.317	.487	2.22160	-.03630	-.03130	-.09050	25.00000	-.00840	-.02210	-.05050	-.01200	-.05050
1.297	1.610	2.27060	-.03910	-.02910	-.09050	25.00000	-.00840	-.02780	-.05050	-.01770	-.04050
1.294	2.328	2.28770	-.04170	-.02660	-.09050	25.00000	-.00840	-.03290	-.05050	-.01270	-.04050
1.294	5.097	2.28170	-.04170	-.02660	-.08040	25.00000	-.00840	-.03290	-.05050	-.01270	-.04050
1.294	6.165	2.20690	-.06440	-.05430	-.08040	25.00000	-.00840	-.02780	-.10100	-.01770	-.09100
1.294	7.179	2.22820	-.03910	-.02400	-.08040	25.00000	-.00840	-.03290	-.04540	-.01270	-.03540
1.294	8.177	2.22000	-.03910	-.02400	-.08040	25.00000	-.00840	-.03290	-.04540	-.01270	-.03540
1.293	9.114	2.22510	-.04160	-.02660	-.08040	25.00000	-.00840	-.02780	-.05550	-.01770	-.03550
1.292	10.252	2.23850	-.04170	-.02660	-.08040	25.00000	-.00840	-.03290	-.05050	-.01270	-.04050
1.291	11.216	2.24970	-.03910	-.02910	-.08040	25.00000	-.00840	-.02780	-.05050	-.01770	-.04050
1.293	12.279	2.25810	-.03910	-.02910	-.09050	25.00000	.00000	-.02780	-.05050	-.01770	-.05050
1.292	13.243	2.27780	-.03920	-.03410	-.08040	25.00000	.00000	-.02780	-.05050	-.01770	-.05050
1.294	15.286	2.32240	-.03910	-.02910	-.08040	25.00000	-.00840	-.02780	-.05050	-.01770	-.05050
1.294	20.231	2.38590	-.03920	-.03410	-.09050	25.00000	-.00840	-.02780	-.05050	-.01770	-.05050
1.286	GRADIENT	.03395	-.00043	.00034	-.00332	.00000	.00273	-.00088	-.00000	-.00083	.00150

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OAI45 TABULATED FORCE DATA
AMES 118-1-11 OAI45A 01

PAGE 1252
(C2F0H4) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-1B
.597	-4.953	-.01800	.02610	-.01670	.00970	25.00000	-.10290	.02490
.599	.073	.01810	.02390	-.01880	.00970	25.00000	-.10290	.02490
.597	2.630	.02520	.02610	-.01670	.00970	25.00000	-.10290	.02490
.596	5.127	.05360	.02610	-.01670	.00000	25.00000	-.10290	.02490
.596	7.186	.05290	.02610	-.01670	.00000	25.00000	-.10290	.02490
.597	8.238	.05140	.02390	-.01880	.00000	25.00000	-.10290	.02490
.596	10.283	.04810	.02610	-.01670	.00000	25.00000	-.10290	.02490
.595	12.322	.04840	.02610	-.01670	.00000	25.00000	-.10290	.02490
.595	15.369	.05720	.02350	-.01930	.00000	25.00000	-.10290	.01980
	GRADIENT	.00590	-.00006	-.00006	.00000	-.00000	.00000	.00000

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPOBRK = 25.000 RUDDER = .000
RN/L = 5.000

MACH	ALPHA	BETA	98/ 0	RN/L =	4.88	GRADIENT INTERVAL =	-5.00/	5.00
			RUN NO.					
.900	-5.029	-.03150		ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER
.904	.202	.01120		-.03350	-.02340	-.09050	25.00000	.00000
.898	2.827	.01900		-.03350	-.02340	-.09050	25.00000	.00000
.896	5.342	.05900		.03090	-.02590	-.09050	25.00000	.00000
.899	6.429	.06310		-.03090	-.02590	-.09050	25.00000	.00000
.900	7.426	.07410		.03340	-.02340	-.09050	25.00000	.00000
.898	8.405	.07580		-.02810	-.02300	-.09050	25.00000	.00000
.899	9.519	.09050		-.03310	-.02300	-.09050	25.00000	.00000
.898	10.498	.08720		.03310	-.02300	-.09050	25.00000	.00000
.899	11.554	.08880		-.03310	-.02300	-.09050	25.00000	.00000
.900	12.691	.10650		-.03030	-.02020	-.08040	25.00000	.00000
.898	13.621	.09440		.03060	-.02560	-.09050	25.00000	.00000
.897	15.707	.11790		-.03600	-.03090	-.09050	25.00000	.00000
.900	20.567	.15070		-.03060	-.02560	-.09050	25.00000	.00000
	GRADIENT	.00297		.00000	.00000	.00385	.00000	.00000

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(C2F0H5) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 99/ 0 RN/L = 4.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-1B	AIL-1B	ELV-0B	AIL-0B
.897	-5.439	-.02870	-.03600	-.03090	-.08040	25.00000	-.00840	-.01640	-.00630	-.05560	-.05560
.903	-.038	.01340	-.03310	-.02810	-.09050	25.00000	-.01670	-.01070	-.00060	-.05560	-.05560
.899	2.334	.02200	-.03570	-.03060	-.09050	25.00000	-.02510	-.01070	-.00060	-.06060	-.06060
.897	5.055	.06440	-.02780	-.02270	-.09050	25.00000	-.00840	-.00510	.00510	-.05050	-.05050
.898	7.246	.07240	-.02780	-.02270	-.09050	25.00000	-.00840	-.00510	.00510	-.05050	-.05050
.900	8.182	.08320	-.03060	-.02560	-.09050	25.00000	.00000	-.01070	-.00060	-.05050	-.05050
.899	10.292	.09680	-.03060	-.03060	-.09050	25.00000	-.00840	-.00570	-.00570	-.05560	-.05560
.896	12.304	.09430	-.03060	-.03060	-.09050	25.00000	-.01670	-.00570	-.00570	-.05560	-.05560
.897	15.440	.13700	-.03060	-.03060	-.09050	25.00000	-.00840	-.00570	-.00570	-.05560	-.05560
.889	20.472	.15300	-.00110	-.00105	.00000	.00000	-.00354	-.00000	.00000	-.00211	-.00211
	GRADIENT	.00363									

AMES 118-1-11 OAI45A 01

(C2F0H6) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = 10.000
 AILRON = .000 BOFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 93/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-1B	AIL-1B	ELV-0B	AIL-0B
.901	-4.644	-.04990	10.01900	.11370	-.06030	25.00000	-.02510	10.01800	.07810	10.02000	.14920
.901	.235	-.00730	10.02200	.11290	-.07040	25.00000	-.02510	10.01400	.07430	10.03100	.15140
.900	2.732	-.00370	10.02600	.11670	-.06030	25.00000	-.02510	10.02200	.08200	10.03100	.15140
.898	5.300	.03530	10.02600	.11670	-.06030	25.00000	-.02510	10.02200	.08200	10.03100	.15140
.901	8.373	.01550	10.02400	.11470	-.06030	25.00000	-.02510	10.02200	.07350	10.02600	.15580
.900	10.412	.05340	10.02400	.11480	-.06030	25.00000	-.02510	10.01800	.07810	10.03100	.15140
.899	12.492	.05260	10.02000	.11510	-.06030	25.00000	-.05020	10.01400	.07430	10.02600	.15580
.899	15.578	.05640	10.01900	.11370	-.06030	25.00000	-.03350	10.01800	.07810	10.02000	.14920
.897	20.528	.11160	10.02100	.11150	-.05030	25.00000	-.05020	10.01800	.07810	10.02400	.14480
	GRADIENT	.00660		.00033	-.00028	-.00000	-.00000	.00035	.00035	.00160	.00032

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0A145 TABULATED FORCE DATA

(C2F0H7) (16 JUL 77)

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 181/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.902	-4.032	5.61640	-04670	-03160	-07040	25.00000	.00000	-03290	-06060	-01270	-05060
.901	-2.968	5.60270	-04670	-03160	-07040	25.00000	.00000	-03290	-06060	-01270	-05060
.902	-1.902	5.57500	-04670	-03160	-07040	25.00000	.00840	-03290	-06060	-01270	-05060
.899	-1.843	5.49680	-04670	-03160	-07040	25.00000	.02510	-03290	-06060	-01270	-05060
.902	.031	5.38280	-04670	-03160	-07040	25.00000	-04180	-03290	-06060	-01270	-05060
.901	.426	5.45000	-04670	-03160	-07040	25.00000	.05020	-03290	-06060	-01270	-05060
.902	.956	5.56360	-04390	-02880	-07040	25.00000	.05860	-02720	-06060	-00700	-05060
.900	2.050	5.62230	-04670	-03160	-07040	25.00000	-07530	-03290	-06060	-01270	-05060
.901	3.128	5.63440	-04670	-03160	-08040	25.00000	-09200	-03290	-06060	-01270	-05060
.899	4.183	5.61260	-04670	-03160	-08040	25.00000	-11710	-03290	-06060	-01270	-05060
.898	6.250	5.59500	-04670	-03160	-08040	25.00000	-01222	-03290	-06060	-01270	-05060
	GRADIENT	.00334	.00004	.00004	.00066	.00000		.00008	.00000	.00008	.00000

AMES 118-1-11 0A145A 01

(C2F0H8) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 20.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 333/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.398	-3.451	18.64200	.02220	.00060	.01000	25.00000	.05110	.02010	.02420	.00030	.00130
.397	-2.938	19.14800	.01960	-00180	.01000	25.00000	.04260	.01500	.02420	.00480	.00130
.398	-1.858	19.16400	.01960	-00180	.01000	25.00000	.04260	.01500	.02420	.00480	.00130
.397	-1.332	19.16100	.01960	-00180	.01000	25.00000	.03410	.01500	.02420	.00480	.00130
	GRADIENT	.809	.01313	-00074	-00000	-00000	-00595	-00145	-00000	-00145	-00000

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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(C2F0H9) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

BETA =
 AILRON =
 SPOBRK =
 RN/L =

ELEVON = 20.000
 BDFLAP = .000
 RUDDER = .000

PARAMETRIC DATA

RUN NO. 423/ 0 RN/L = 4.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-18	ELV-08	AIL-18	AIL-08
1.404	-5.006	-0.0330	20.09800	.01130	.00970	25.00000	-1.0960	20.14700	20.04900	.02390	-.00130
1.404	.052	.00610	20.09300	.01100	.00970	25.00000	-1.0960	20.14100	20.04400	.01860	.00330
1.401	2.666	.01770	20.08500	.00350	.00970	25.00000	-1.0960	20.12600	20.04400	.00380	.00330
1.400	5.194	.03380	20.07300	.00880	.00970	25.00000	-1.0960	20.10200	20.04400	.02100	.00330
1.399	7.237	.02490	20.07000	.01130	.00970	25.00000	-1.0960	20.09700	20.04400	-.02590	.00330
1.400	8.255	.01710	20.06800	.01380	.00970	25.00000	-1.0960	20.09200	20.04400	-.03090	.00330
1.400	10.291	.01380	20.06800	.01380	.00970	25.00000	-1.0960	20.09200	20.04400	-.03090	.00330
1.399	12.320	.00810	20.06100	-.02120	.00970	25.00000	-1.0960	20.07700	20.04400	-.04570	.00330
1.393	15.347	.00290	20.05300	-.02850	.00000	25.00000	-1.0960	20.06200	20.04400	-.06060	.00330
	GRADIENT	.00444	-.00306	-.00287	.00000	-.00000	.00000	-.00574	-.00000	-.00566	-.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

ALPHA =
 AILRON =
 SPOBRK =
 RN/L =

ELEVON = 2.000
 BDFLAP = .000
 RUDDER = .000

PARAMETRIC DATA

AMES 118-1-11 OAI45A 01

(C2F0I0) (08 JUL 77)

RUN NO. 478/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPOBRK	RUDDER	ELV-18	ELV-08	AIL-18	AIL-08
.952	-6.174	1.93170	.01500	-.00560	.01940	87.00000	-1.0290	.02000	.01000	-.00980	-.00150
.953	-2.009	1.94970	.01500	-.00560	.00970	87.00000	-1.15900	.02000	.01000	-.00980	-.00150
.950	-.957	1.96390	.01500	-.00560	.00000	87.00000	-1.16800	.02000	.01000	-.00980	-.00150
.950	.095	1.96070	.01240	-.00820	.00000	87.00000	-1.17690	.01490	.01000	-.01490	-.00150
.952	.601	1.97670	.01750	-.00310	.00000	87.00000	-.09620	.02500	.01000	-.00470	-.00150
.951	1.122	1.93980	.01500	-.00560	.00000	87.00000	-.09620	.02000	.01000	-.00980	-.00150
.950	2.169	1.95590	.01500	-.00560	.00000	87.00000	-1.10290	.02000	.01000	-.00980	-.00150
.951	3.218	1.99000	.01240	-.00820	.02910	87.00000	-1.10960	.01490	.01000	-.01490	-.00150
.950	4.249	1.98680	.01030	-.01030	.00000	87.00000	-1.2310	.01490	.00580	-.01490	-.00580
.947	6.301	1.98300	.01030	-.01030	.00970	87.00000	-1.15000	.01490	.00580	-.01490	-.00580
.948	8.339	1.96470	.01030	-.01030	.01940	87.00000	-1.16800	.01490	.00580	-.01490	-.00580
	GRADIENT	.00698	-.00063	-.00063	.00108	.00000	.00957	-.00080	-.00044	-.00080	-.00045

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OA145 TABULATED FORCE DATA

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(C2F011) (08 JUL 77)

REFERENCE DATA

SREF	=	2690.0000	SO.FT.	XMRP	=	1076.6800	IN. XO
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. YO
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. ZO
SCALE	=	.0500					

RUN NO.	483/ 0	RN/L =	4.96	GRADIENT INTERVAL =	-5.00/ 5.00
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MACH	ALPHA	BETA	ELEVON	AILERON	BOFLAP	SPOBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
.590	-5.053	-.02630	.01290	-.00780	.00970	87.00000	-.10290	.02000	.00580	-.00980	-.00580
.592	-.134	.00010	.01290	-.00780	.00970	87.00000	-.10290	.02000	.00580	-.00980	-.00580
.597	4.913	.03790	.01530	-.01020	.00970	87.00000	.10290	.02490	.00580	-.01470	-.00580
.597	10.171	.03870	.01030	-.01030	.00970	87.00000	.09620	.01490	.00580	-.01490	-.00580
.599	15.200	.04850	.01460	-.00610	.00000	87.00000	-.08270	.01490	.01430	-.01490	-.00270
	GRADIENT	.00749	.00048	-.00048	-.00000	-.00000	.00000	.00097	-.00000	-.00097	-.00000

PARAMETRIC DATA

BETA	=	.000	ELEVON	=	.000
AILRON	=	.000	3DFLAP	=	.000
SPOBRK	=	87.200	RUDDER	=	.000
RN/L	=	5.000			

AMES 118-1-11 0A145A 01

(C2F012) (08 JUL 77)

REFERENCE DATA

SREF	=	2690.0000	SO.FT.	XMRP	=	1076.6800	IN. Z0
LRFF	=	474.8100	INCHES	YMRP	=	.0000	IN. Y0
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. Z0
SCALE	=	.0500					

RUN NO	537	0	RN/L	5.00	GRADIENT	INTERVAL	-5.00/	5.00
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MACH	BETA	ALPHA	ELEVON	ATILRON	BDFLAP	SPDBRK	RUDDER	ELV-1B	ELV-0B	AIL-1B	AIL-0B
1.203	-6.104	5.22660	.00000	.00000	.00000	55.00000	-.12310	.00000	.00000	.00000	.00000
1.204	-1.960	5.19880	.00000	.00000	.00000	55.00000	-.12310	.00000	.00000	.00000	.00000
1.203	-.924	5.18700	.00000	.00000	.00000	55.00000	-.12310	.00000	.00000	.00000	.00000
1.204	.031	5.11640	.00000	.00000	.00000	55.00000	-.12310	.00000	.00000	.00000	.00000
1.202	.559	5.30210	.00000	.00000	.00000	55.00000	-.12310	.00000	.00000	.00000	.00000
1.204	1.055	5.25910	.00000	.00000	.00000	55.00000	-.12310	.00000	.00000	.00000	.00000
1.201	2.127	5.22730	.00000	.00000	.00000	55.00000	-.12310	.00000	.00000	.00000	.00000
1.201	3.176	5.22020	.00000	.00000	.00000	55.00000	-.12310	.00000	.00000	.00000	.00000
1.200	4.228	5.22260	.00000	.00000	.00000	55.00000	-.12310	.00000	.00000	.00000	.00000
1.199	6.324	5.22731	.00000	.00000	.00000	55.00000	-.12310	.00000	.00000	.00000	.00000
	GRADIENT	.00706	.00000	.00000	.00000	.00000	-.00000	.00000	.00000	.00000	.00000

PARAMETRIC DATA

ALPHA	=	5.000	ELEVON	=	.000
AILRON	=	.000	BDFLAP	=	.000
SPOBRK	=	55.000	RUDDER	=	.000
RN/L	=	5.000			

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0A145 TABULATED FORCE DATA

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AMES 118-1-11 0A145A 01

(C2F013) (08 JUL 77)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP
LREF	=	474.8100	INCHES	YMRP
BREF	=	936.6800	INCHES	ZMRP
SCALE	=	.0500		

RUN NO.	519/ 0	RN/L =	4.76	GRADIENT INTERVAL =	-5.00/	5.00
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MACH	RUDDER	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPDBRK	ELV-OB	AIL-IB	AIL-OB
1.404	-14.736	5.05600	.16830	.01810	.00740	.00000	55.00000	.03130	-.00500	.01970
1.404	-10.664	5.05430	.16230	.02100	.00450	.00000	55.00000	.03700	-.00500	.01400
1.404	-5.433	5.05430	.15290	.02310	.00660	.00000	55.00000	.04130	-.00500	.01820
1.446	-2.768	5.05450	.14830	.02310	.00660	.00000	55.00000	.04130	-.00500	.01820
1.404	-.089	5.05520	.14240	.02100	.00450	.00000	55.00000	.03700	-.00500	.01400
GRADIENT		.00026	-.00220	-.00078	-.00078	.00000	.00000	-.00161	.00000	-.00157

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP
LREF	=	474.8100	INCHES	YMRP
BREF	=	936.6800	INCHES	ZMRP
SCALE	=	.0500		

RUN NO.	589/ 0	RN/L	= 4.96	GRADIENT INTERVAL	= -5.00/ 5.00
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MACH	RUDDER	ALPHA	BETA	ELEVON	AILERON	BOFLAP	SPDBRK	ELV-1B	ELV-0B	A1L-1B	A1L-0B
.899	-14.965	4.96680	0.4620	0.1720	0.0650	0.0970	15.00000	0.0200	0.1430	0.1030	0.0270
.901	-10.754	4.97060	0.0400	0.1510	0.0440	0.0970	15.00000	0.0200	0.1000	0.1030	0.00150
.901	-4.947	4.96680	0.4130	0.1510	0.0440	0.0970	15.00000	0.0200	0.1000	0.1030	0.00150
.899	-2.442	4.96450	0.0400	0.1510	0.0440	0.0970	15.00000	0.0200	0.1000	0.1030	0.00150
.901	-0.089	4.96840	0.3750	0.1510	0.0440	0.0970	15.00000	0.0200	0.1000	0.1030	0.00150
.900	2.505	4.96580	0.3330	0.1510	0.0440	0.0000	15.00000	0.0200	0.1000	0.1030	0.00150
.900	5.033	4.96800	0.1110	0.1510	0.0440	0.0970	15.00000	0.0200	0.1000	0.1030	0.00150
.900	10.027	4.96940	0.2780	0.1510	0.0440	0.0000	15.00000	0.0200	0.1000	0.1030	0.00150
.900	15.022	4.96940	0.2480	0.1510	0.0440	0.0000	15.00000	0.0200	0.1000	0.1030	0.00150
.899	18.098	4.96630	0.2270	0.1510	0.0440	0.0000	15.00000	0.0200	0.1000	0.1030	0.00150
.899	22.836	4.96700	0.1960	0.1510	0.0440	0.0970	15.00000	0.0200	0.1000	0.1030	0.00150
	GRADIENT	.00003	-.00107	-.00000	.00000	-.00119	-.00000	-.00000	.00000	.00000	.00000

OAI45 TABULATED FORCE DATA

AMES 118-1-11 OAI45A 01

DATE 10 MAR 80

(C2F015) (01 SEP 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

MACH = 1.400
1.393
1.398

ALPHA = 4.984
10.096
15.166

BETA = .03230
.03090
.03810
.00000

ELEVON = .01750
.01750
.01750
.00000

AILRON = -.00310
-.00310
-.00310
.00000

BDFLAP = .00970
.00970
.00970
.00000

SPOBRK = 40.00000
40.00000
40.00000
.00000

RUDDER = -.11640
-.11640
-.11640
.00000

ELV-1B = .02500
.02500
.02500
.00000

ELV-08 = .01000
.01000
.01000
.00000

AIL-1B = -.00470
-.00470
-.00470
.00000

AIL-08 = -.00150
-.00150
-.00150
.00000

RUN NO. 716/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

BETA = .000
AILRON = .000
SPOBRK = 40.000
RN/L = 5.000

ELEVON = .000
BDFLAP = .000
RUDDER = .000

AMES 118-1-11 OAI45A 01

(C2F016) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

MACH = .900
.903
.899
.901
.899
.899
.900
.901
.901
.902
.903
.901
.900
.901

ALPHA = 5.07880
5.22030
5.07640
5.07640
5.08030
5.08120
5.07940
5.08580
5.08670
5.07500
5.07210
5.08670
5.07120
5.06370
-.00128

BETA = 2.19380
2.21200
2.22080
2.22310
2.23050
2.23400
2.23160
2.23170
2.23210
2.23200
2.23080
2.23080
2.21930
2.20450
-.00007

ELEVON = -30.298
-19.743
-17.282
-14.950
-9.955
-5.945
-3.939
-1.942
.005
2.012
4.013
6.006
10.011
15.017

AILRON = -.34350
.23060
2.66430
.01290
.00740
-.00350
-.00200
.00440
-.00210
-.01100
-.00850
-.01550
-.02750
-.00124

BDFLAP = .00970
.00970
.00970
.00970
.00970
.00970
.00970
.00970
.00970
.00970
.00970
.00970
.00970
.00970
.00000

SPOBRK = 25.00000
25.00000
25.00000
25.00000
25.00000
25.00000
25.00000
25.00000
25.00000
25.00000
25.00000
25.00000
25.00000
25.00000
.00000

RUDDER = -.11640
-.12310
-.12310
-.12310
-.12310
-.12310
-.12310
-.12310
-.12310
-.12310
-.13210
-.12310
-.12310
-.12310
-.00000

ELV-1B = -29.95500
-19.51700
-19.50100
-14.94500
-9.94270
-5.94490
-3.94120
-.1.94080
.00500
1.99670
4.00180
6.00270
10.01000
15.00700
1.00209

ELV-08 = -30.64200
-19.96900
-15.06300
-14.95500
-9.96790
-5.94500
-3.93600
-.1.94430
.00430
1.99670
4.00180
6.00270
10.01000
15.02800
.99792

AIL-1B = -.00320
.46680
.45070
.01150
.00780
.00110
.00190
.00000
-.00500
-.00250
-.01260
-.01130
-.03040
-.04270
-.00159

AIL-08 = -.68380
-.00560
4.87790
.01420
.00690
-.00800
-.00600
.00870
.00430
-.00170
-.00930
-.00580
-.00060
-.01230
-.00086

PARAMETRIC DATA

ALPHA = 5.000
AILRON = .000
SPOBRK = 25.000
RN/L = 5.000

BETA = .000
BDFLAP = .000
RUDDER = .000

RUN NO. 818/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(C2F017) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPOBRK = 7.500 RUDDER = .000
 RN/L = 5.000

RUN NO. 898/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-08	AIL-08	AIL-08
.951	-5.284	-.02800	.01960	-.00100	.01940	7.50000	-.08940	.01430	-.00470	.00270
.950	2.248	.00050	.01960	-.00100	.01940	7.50000	-.08940	.01430	-.00470	.00270
.949	2.269	.01200	.02180	.00120	.01940	7.50000	-.08940	.01850	-.00470	.00700
.949	4.877	.04200	.02180	.00120	.02910	7.50000	-.08940	.01850	-.00470	.00700
.949	7.959	.02800	.02180	.00120	.00970	7.50000	-.08270	.01850	-.00470	.00700
.950	10.008	.03460	.02180	.00120	.02910	7.50000	-.06920	.01850	-.00470	.00700
.950	12.039	.03180	.02390	.00330	.01940	7.50000	-.05570	.02280	-.00470	.01120
	GRADIENT	.00811	.00043	.00043	.00190	.00000	.00000	.00082	.00000	.00084

AMES 118-1-11 OAI45A 01

(C2F018) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BOFLAP = 16.300
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 283/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BOFLAP	SPOBRK	RUDDER	ELV-08	AIL-08	AIL-08
.952	-5.082	-.04450	.01290	-.00270	16.31100	25.00000	.01700	.00570	.00030	-.00570
.952	2.483	-.00180	.01540	-.00520	16.31100	25.00000	.00000	.00570	-.00470	-.00570
.949	2.483	.00980	.01790	-.00260	16.32100	25.00000	-.01670	.00570	.00040	-.00570
.955	5.013	.04550	.01550	-.00020	16.31100	25.00000	.01700	.00570	.00540	-.00570
.949	6.032	.05130	.01500	-.00060	16.31100	25.00000	.00000	.01000	.00030	-.00150
.949	7.058	.05220	.01500	-.00060	16.32100	25.00000	.00850	.00430	.00030	-.00150
.951	8.083	.05880	.01220	.00230	16.32100	25.00000	.00850	.00430	.00030	.00430
	GRADIENT	.05457	.00098	.00102	.00394	-.00000	-.00658	-.00000	.00201	.00000

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(C2F019) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = -11.700
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 444/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-1B	AIL-1B	ELV-0B	AIL-0B
.396	-4.996	-.02570	.01790	-.00850	-11.79300	25.00000	-.11640	.02000	-.00980	.01580	-.00730
.396	-.716	-.00020	.01330	-.00820	-11.78300	25.00000	-.11640	.01500	-.00480	.01150	-.01150
.395	.029	.00020	.02000	-.00640	-11.78300	25.00000	-.10960	.02000	-.00980	.02000	-.00300
.397	2.505	.00140	.01790	-.00850	-11.78300	25.00000	-.09620	.02000	-.00980	.01580	-.00730
.396	5.021	.03630	.01790	-.00850	-11.78300	25.00000	-.09620	.02000	-.00980	.01580	-.00730
.396	6.904	.03330	.01570	-.01060	-11.78300	25.00000	-.09620	.02000	-.00980	.01150	-.01150
.396	8.118	.03810	.01570	-.01060	-11.78300	25.00000	-.08940	.02000	-.00980	.01150	-.01150
.396	10.140	.04680	.02920	-.00290	-11.79300	25.00000	-.08940	.02000	-.00980	.03850	-.00400
.396	12.182	.04870	.02640	-.00000	-11.79300	25.00000	-.08940	.02000	-.00980	.03280	-.00970
.396	15.232	.06510	.02420	-.00210	-11.79300	25.00000	-.08940	.02000	-.00980	.02850	-.00550
	GRADIENT	.00386	.00005	.00006	.00144	-.00000	.00247	-.00001	.00001	.00011	.00011

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

AMES 118-1-11 OAI45A 01

(C2F0J0) (16 JUL 77)

RUN NO. 419/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	ELEVON	AILRON	BDFLAP	SPDBRK	RUDDER	ELV-1B	AIL-1B	ELV-0B	AIL-0B
.597	-6.158	.23700	.02350	-.01930	.00970	25.00000	-.08940	.01980	-.01980	.02720	-.01870
.597	-2.082	.09720	.02350	-.01930	.00970	25.00000	-.08940	.01980	-.01980	.02720	-.01870
.597	-1.038	.06160	.02600	-.02170	.00970	25.00000	-.08940	.02480	-.02480	.02720	-.01870
.598	.033	.04270	.02600	-.02170	.00970	25.00000	-.08940	.02480	-.02480	.02720	-.01870
.598	.547	.03250	.02350	-.01930	.00000	25.00000	-.08940	.01980	-.01980	.02720	-.01870
.598	1.065	.05260	.02600	-.02170	.00000	25.00000	-.08940	.01980	-.01980	.02720	-.01870
.598	2.120	.05750	.02350	-.01930	.00000	25.00000	-.08940	.01980	-.01980	.02720	-.01870
.598	3.160	.06020	.02850	-.01920	.00000	25.00000	-.09620	.02990	-.01970	.02720	-.01870
.597	4.193	.06150	.02610	-.01670	.00000	25.00000	-.09620	.02490	-.01470	.02720	-.01870
.597	6.250	.06940	.02610	-.01670	.00000	25.00000	-.10290	.02490	-.01470	.02720	-.01870
	GRADIENT	-.00281	.00038	.00050	-.00191	-.00000	-.00118	.00076	.00101	.00000	.00000

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0A145 TABULATED FORCE DATA

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(DEF001) (16 JUL 77)

AMES 118-1-11 0A145A 01 (INVERTED)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 1.000

RUN NO. 9/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.598	-9.204	-.08080	-.01140	-.02000	-.04040	.06940	-.02040	.00000
.601	-4.942	-.11110	-.02280	-.02000	-.03030	.08930	-.01030	.00000
.598	-.058	-.10100	-.04550	-.01000	-.03030	.05550	-.02030	.00000
.600	.502	-.12120	-.02280	-.02000	-.03030	.09840	-.01030	.00000
.597	3.229	-.09090	-.02280	-.02000	-.02020	.06810	-.00020	.00000
.597	5.950	-.11110	-.03420	-.01000	-.04040	.07700	-.03040	.00000
.597	8.114	-.10100	-.03420	-.02000	-.03030	.06690	-.01030	.00000
.597	9.200	-.10100	-.04550	-.02000	-.04040	.05550	-.02040	.00000
.597	11.349	-.11110	-.03420	-.02000	-.03030	.07700	-.01030	.00000
.597	13.502	-.09090	-.03420	-.02000	-.02020	.06680	-.00020	.00000
.597	16.650	-.10100	-.04550	-.01000	-.03030	.05550	-.02030	.00000
.596	20.812	-.09090	-.02280	-.03000	-.04040	.06810	-.01040	.00000
	GRADIENT	.00190	-.00017	.00007	.00103	-.00207	.00096	.00000

RUN NO. 10/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.800	-9.447	-.07070	-.03420	-.01000	-.03030	.03650	-.02030	.00000
.798	-5.130	-.07070	-.02280	-.01000	-.02020	.04790	-.01020	.00000
.799	-.036	-.10100	-.02280	-.01000	-.02020	.07820	-.01020	.00000
.801	.492	-.09090	-.02280	-.01000	-.02020	.06810	-.01020	.00000
.800	3.295	-.09090	-.01140	-.01000	-.04040	.07950	-.03040	.00000
.798	6.097	-.09090	-.01140	-.01000	-.02020	.07950	-.01020	.00000
.800	8.320	-.09090	-.01140	-.02000	-.03030	.07950	-.01030	.00000
.799	9.425	-.09090	-.01140	.00000	-.03030	.07950	-.03030	.00000
.798	11.607	-.08080	-.01140	.00000	-.03030	.06940	-.03030	.00000
.799	13.759	-.09090	-.02280	-.02000	-.03030	.06810	-.01030	.00000
.800	16.973	-.08080	-.05690	-.02000	-.04040	.02390	-.02040	.00000
.799	21.145	-.09090	-.04550	-.01000	-.03030	.04540	-.02030	.00000
	GRADIENT	.00203	.00364	.00000	-.00644	.00161	-.00644	.00000

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

AMES 118-1-11 0A145A 01(INVERTED)

(DEFO01) (18 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 11/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.901	-9.577	-1.0100	-0.2280	.00000	-.03030	.07820	-.03030	.00000
.899	-5.230	-.09090	-.02280	.00000	-.03030	.06810	-.03030	.00000
.901	-.020	-.09090	-.03420	.00000	-.04040	.05680	-.04040	.00000
.902	.515	-.09090	-.02280	.00000	-.03030	.06810	-.03030	.00000
.902	3.360	-.09090	-.03420	.00000	-.03030	.05680	-.03030	.00000
.899	6.153	-1.0100	-.04550	.00000	-.03030	.05550	-.03030	.00000
.901	8.361	-.09090	-.04550	-.01000	-.03030	.04540	-.02030	.00000
.899	9.468	-1.0100	-.05690	-.01000	-.03030	.04410	-.02030	.00000
.900	11.686	-.09090	-.04550	-.01000	-.03030	.04540	-.03040	.00000
.902	13.876	-1.0100	-.04550	-.01000	-.04040	.05550	-.03040	.00000
.902	17.074	-.09090	-.03420	.00000	-.04040	.05680	-.04040	.00000
.902	21.264	-.08080	-.04550	.00000	-.03030	.03530	-.03030	.00000
	GRADIENT	.00000	-.00133	.00000	.00200	-.00132	.00200	.00000

RUN NO. 12/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.947	-9.641	-.09090	-.02280	.00000	-.03030	.06810	-.03030	.00000
.951	-5.285	-1.0100	-.03420	.00000	-.04040	.06690	-.04040	.00000
.953	-.014	-1.0100	-.02280	.00000	-.03030	.07820	-.03030	.00000
.953	.526	-1.2120	-.05690	.00000	-.04040	.06430	-.04040	.00000
.951	3.400	-1.0100	-.03420	.00000	-.04040	.06690	-.04040	.00000
.950	6.232	-1.1110	-.03420	.00000	-.04040	.07700	-.04040	.00000
.950	8.450	-.09090	-.03420	.00000	-.04040	.05680	-.04040	.00000
.950	9.567	-.08080	-.02280	-.01000	-.02020	.05800	-.01020	.00000
.951	11.786	-.09090	-.02280	-.01000	-.03030	.06810	-.02030	.00000
.952	13.975	-1.1110	-.02280	-.01000	-.03030	.08830	-.02030	.00000
.950	17.175	-1.1110	-.03420	.00000	-.03030	.07700	-.03030	-.01020
	GRADIENT	.00233	.00039	.00000	-.00198	-.00191	-.00198	.00000

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

(02F001) (16 JUL 77)

AMES 118-1-11 0A145A 01(INVERTED)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. X0
 LREF = 474.8100 INCHES YMRP = .0000 IN. Y0
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. Z0
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 16/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.050	-9.693	.00000	.00000	.00000	.03030	.08080	-.03030	-.02040
1.049	-5.289	.00000	.00000	.00000	.04040	.07700	-.04040	-.02040
1.050	.009	.00000	.03420	.00000	.04040	.07700	-.04040	-.02040
1.050	.550	.00000	.01140	.01150	.03030	.10980	-.04180	-.02040
1.050	3.448	.00000	.03420	.00000	.03030	.08710	-.03030	-.02040
1.048	6.321	.00000	.01140	.00000	.02020	.09970	-.02020	-.02040
1.050	8.584	.00000	.01140	.00000	.02020	.09970	-.02020	-.02040
1.050	9.715	.00000	.03420	.00000	.05050	.05680	-.05050	-.02040
1.050	11.970	.00000	.04550	.00000	.03030	.04540	-.03030	-.02040
1.050	14.188	.00000	.05650	-.01000	.04040	.03400	-.03040	-.02040
1.049	17.445	.00000	.04550	.00000	.03030	.03530	-.03030	-.02040
GRADIENT		-.00196	-.00262	-.00132	.00196	-.00065	.00328	.00000

RUN NO. 15/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.102	-9.726	.00000	.00000	.01000	.03030	.10100	-.02030	-.02040
1.099	-5.318	.00000	.00000	.01000	.03030	.07820	-.02030	-.03060
1.101	.022	.00000	.03420	.00000	.02020	.06690	-.02020	-.02040
1.100	.571	.00000	.02280	.01000	.03030	.06810	-.02030	-.03060
1.102	3.475	.00000	.03420	.00000	.03030	.08710	-.03030	-.02040
1.098	6.351	.00000	.04550	.00000	.03030	.03530	-.03030	-.02040
1.100	8.613	.00000	.02280	.00000	.03030	.07820	-.00030	-.02040
1.099	9.758	.00000	.01140	.00000	.03030	.09970	-.03030	-.02040
1.101	12.020	.00000	.03420	.00000	.03030	.07700	-.03030	-.02040
1.099	14.253	.00000	.02280	.00000	.02020	.06810	-.02020	-.02040
1.102	17.561	.00000	.06830	-.01000	.02020	.04280	-.01020	-.02040
GRADIENT		-.00737	-.00130	.00114	-.00196	.00608	-.00310	.00116

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

(02F001) (16 JUL 77)

AMES 118-1-11 OAI45A 01(INVERTED)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO.	14/ 0	RN/L = 5.01	GRADIENT INTERVAL =	-5.00/ 5.00
MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO
1.199	-9.706	-.0909	-.0228	.0000
1.196	-5.288	-.0808	-.0342	.0000
1.201	.033	-.0909	-.0228	-.0100
1.201	.583	-.1110	-.0228	.0115
1.197	3.469	-.0808	-.0114	.0115
1.198	6.347	-.0808	-.0455	.0000
1.197	8.618	-.1010	-.0342	.0000
1.200	9.762	-.0909	-.0228	-.0100
1.198	12.024	-.1010	-.0455	-.0100
1.200	14.264	-.1313	-.0683	.0000
1.198	17.549	-.0707	-.0342	-.0100
GRADIENT		.00543	.00353	.00419
				.00394

DELL	DELR	DRHL
.06810	-.04040	-.02040
.04660	-.03030	-.03060
.06810	-.04050	-.02040
.08830	-.04180	-.02040
.06940	-.04180	-.03060
.03530	-.02020	-.03060
.06690	-.02020	-.03060
.06810	-.01020	-.03060
.05550	-.01020	-.03060
.06300	-.03030	-.02040
.03650	-.02030	-.02040
-.00191	-.00025	-.00316

RUN NO.	13/ 0	RN/L = 4.99	GRADIENT INTERVAL =	-5.00/ 5.00
MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO
1.294	-9.665	-.10100	.00000	.00000
1.299	-5.223	-.10100	-.02280	.00000
1.302	.042	-.10100	-.02280	.00000
1.299	.587	-.10100	-.03420	.00000
1.295	3.461	-.09090	-.04550	.00000
1.295	6.327	-.08080	-.04550	-.01000
1.294	8.600	-.07070	-.04550	.00000
1.295	9.743	-.08080	-.04550	.00000
1.294	12.010	-.12120	-.03420	.00000
1.293	14.243	-.10100	-.04550	.00000
1.294	17.514	-.09090	-.02280	-.01000
GRADIENT		.00314	-.00574	.00000
				.00000

DELL	DELR	DRHL
.10100	-.03030	-.03060
.07820	-.03030	-.03060
.07820	-.04040	-.02040
.06690	-.04040	-.03060
.04540	-.04040	-.03060
.03530	-.02030	-.03060
.02520	-.03030	-.03060
.03530	-.03030	-.03060
.08710	-.03030	-.03060
.05550	-.03030	-.02040
.06810	-.03040	-.02040
-.00890	.00000	-.00200

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01(PHI=90)

(02F002) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPOBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 25/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.597	-9.559	-.10100	.00000	-.31000	-.03030	.10100	.27970	.02080
.597	-7.589	-.08080	-.02280	-.31000	-.02020	.05800	.28980	.03110
.597	-5.551	-.09090	-.02280	-.33000	-.02020	.06810	.30980	.02080
.597	-1.435	-.09090	-.03420	-.33000	-.03030	.05880	.29970	.00000
.598	-.423	-.09090	-.03420	-.31000	-.03030	.05680	.27970	.01040
.601	.641	-.09090	-.01140	-.30000	-.02020	.07950	.27980	.00000
.597	1.609	-.09090	-.03420	-.30000	-.01010	.05680	.28990	.00000
.597	2.629	-.09090	-.03420	-.32000	-.01010	.05680	.30990	.00000
.597	3.642	-.10100	-.03420	-.30000	-.02020	.06690	.27980	.00000
.597	4.626	-.10100	-.03420	-.36000	.00000	.06690	.36000	.00000
.597	6.649	-.11110	-.03420	-.32000	.00000	.07700	.32000	.00000
.597	8.681	-.11110	-.02280	-.34000	.00000	.08830	.34000	-.01020
.597	10.701	-.11110	-.02280	-.34000	.00000	.08830	.34000	-.02040
.597	13.540	-.11110	-.01140	-.33000	.00000	.09970	.33000	-.02040
.593	GRADIENT	-.00178	-.00077	-.00312	.00423	.00101	.00740	-.00074

RUN NO. 24/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.798	-9.628	-.09090	-.02280	-.25000	.00000	.06810	.25000	.05190
.798	-7.646	-.08080	-.02280	-.27000	.00000	.05800	.27000	.04150
.798	-5.596	-.09090	-.02280	-.26000	.00000	.06810	.26000	.02080
.798	-1.449	-.10100	-.02280	-.29000	.00000	.07820	.29000	.02080
.798	.646	-.08080	.00000	-.28000	.00000	.08080	.28000	.00000
.797	1.621	-.08080	-.02280	-.23000	-.01010	.08080	.21990	.00000
.798	2.649	-.06060	-.03420	-.28000	.00000	.06400	.28000	.00000
.797	3.670	-.08080	-.04550	-.30000	-.01010	.03530	.28990	.00000
.797	4.663	-.07070	-.01140	-.32000	-.01010	.05930	.30990	.00000
.798	6.699	-.07070	-.01140	-.30000	-.01010	.05930	.28990	-.01020
.796	8.742	-.08080	-.02280	-.31000	-.01010	.05800	.29990	-.02040
.797	10.774	-.05050	-.04550	-.37000	-.01010	.05330	.35990	-.02040
.796	GRADIENT	-.00390	-.00041	-.00623	-.00178	-.00431	.00445	-.00326

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

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AMES 118-1-11 0A145A 01(PH1=90)

(DEF002) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 23/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.901	-9.665	-.10100	-.03420	-.25000	-.02020	.08590	.22980	-.03060
.899	-7.677	-.11110	-.03420	-.25000	-.02020	.07700	.22980	-.04080
.902	-5.619	-.11110	-.02280	-.25000	.00000	.08830	.25000	-.04080
.902	-1.454	-.12120	-.01140	-.22000	-.01010	.10980	.20990	-.06110
.902	-.428	-.09090	-.01140	-.22000	-.02020	.07950	.19980	-.07130
.901	.648	-.11110	-.01140	-.24000	-.01010	.09970	.22990	-.04080
.901	1.628	-.08080	-.01140	-.24000	.03030	.06940	.20970	.00000
.901	2.660	-.10100	-.02280	-.26000	-.02020	.07820	.23980	-.01020
.900	3.687	-.11110	-.03420	-.25000	.02020	.07700	.22980	-.02040
.893	4.681	-.11110	-.03420	-.24000	.02020	.07700	.21980	-.02040
.901	6.727	-.09090	-.03420	-.24000	-.01010	.05680	.22990	-.03060
.901	8.776	-.08080	-.04550	-.21000	-.02020	.03530	.18980	-.04080
.900	10.815	-.08080	-.04550	-.21000	-.02020	.03530	.18980	-.04080
.899	13.675	-.08080	-.04550	-.21000	-.02020	.03530	.18980	-.02040
	GRADIENT	-.00001	-.00437	-.00491	-.00140	-.00435	.00351	.00890

RUN NO. 22/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.948	-9.670	-.10100	-.02280	-.26000	-.01010	.07820	.24990	.11420
.953	-7.680	-.11110	.00000	-.23000	-.01010	.11110	.21990	.00000
.950	-5.617	-.09090	.00000	-.24000	-.02020	.09090	.21980	.00000
.953	-1.451	-.09090	-.03420	-.22000	-.02020	.05680	.19980	-.04080
.951	-.428	-.09090	-.02280	-.21000	-.02020	.06810	.18980	-.04080
.951	.646	-.09090	.00000	-.25000	.00000	.09090	.25000	.01040
.950	1.625	-.09090	-.01140	-.24000	.00000	.07950	.24000	-.03060
.950	2.656	-.09090	-.02280	-.23000	-.01010	.06810	.21990	-.03060
.950	3.684	-.10100	-.04550	-.23000	-.02020	.05550	.20980	-.04080
.949	4.680	-.09090	-.04550	-.21000	-.01010	.04540	.19990	-.03060
.951	6.731	-.10100	-.04550	-.23000	-.02020	.05550	.20980	-.03060
.951	8.782	-.07070	-.02280	-.22000	.00000	.04790	.22000	-.01020
.950	10.823	-.10100	.00000	-.21000	-.01010	.10100	.19990	.10380
.947	13.691	-.09090	-.02280	-.25000	-.01010	.06810	.23990	.15570
	GRADIENT	-.00071	-.00353	.00030	.00072	-.00283	.00042	-.00065

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

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AMES 118-1-11 0A145A 01(PHI=90)

102F002) (16 JUL 77)

REFERENCE DATA

SREF = 2590.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = .000 ELEVON = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YO AILRON = .000 BOFLAP = .000
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPDBRK = 25.000 RUDDER = .000
SCALE = .0500 RN/L = 5.00

PARAMETRIC DATA

RUN NO. 21/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.045	-9.679	-1.1110	-0.1140	-0.3000	-0.1010	.09370	.01990	-.08150
1.050	-7.681	-1.1110	-0.1140	-0.2000	-0.1010	.09370	.00990	-.04080
1.051	-5.618	-0.8080	.00000	-0.3000	-0.2020	.08080	.00980	-.04080
1.052	-1.456	-0.7070	.00000	-3.1000	.00000	.07070	.31000	-.05100
1.050	-.430	-.09090	.00000	-3.3000	-0.2020	.09090	.30980	-.05100
1.048	.646	-1.0100	.00000	-0.3000	-0.2020	.10100	.00980	.00000
1.049	1.628	-1.0100	-0.1140	-2.6000	.00000	.08960	.26000	-.05100
1.050	2.660	-0.7070	-0.3420	-2.8000	.00000	.03650	.28000	-.03060
1.048	3.684	-1.0100	-0.1140	-3.0000	.00000	.08960	.30000	-.02040
1.049	4.681	-1.0100	.00000	-3.3000	-0.3030	.10100	.29970	.00000
1.047	6.730	-1.0100	.00000	-3.1000	-0.3030	.10100	.27970	.00000
1.047	8.788	-1.0100	-0.3420	-3.2000	-0.2020	.06690	.29980	.05190
1.047	10.840	-1.0100	-0.2280	-2.9000	-0.2020	.07820	.26980	.17650
1.048	13.721	-1.0100	-0.3420	-2.8000	-0.2020	.06690	.25980	.50880
GRADIENT		-.00284	-.00200	-.00832	-.00105	.00084	.00727	.00645

RUN NO. 20/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.097	-9.678	-1.1010	-0.2280	-2.7000	-0.3030	.07820	.23970	.00000
1.103	-7.684	-0.9090	-0.1140	-1.6000	-0.1010	.07950	.14990	.00000
1.104	-5.620	-1.0100	-0.2280	-1.5000	.00000	.07820	.16000	.04150
1.103	-1.455	-1.0100	-0.1140	-1.4000	.00000	.08960	.14000	.11420
1.101	-.429	-1.0100	-0.1140	-1.3000	.00000	.08960	.13000	.12460
1.101	.647	-1.1110	.00000	-2.2000	.00000	.11110	.22000	-.03060
1.101	1.628	-1.0100	-0.2280	-1.9000	-0.1010	.07820	.17990	.00000
1.100	2.659	-1.0100	-0.2280	-2.4000	.00000	.07820	.24000	.00000
1.101	3.689	-1.0100	-0.4550	-2.3000	-0.1010	.05550	.21990	.01020
1.100	4.685	-1.0100	-0.4550	-2.4000	.00000	.05550	.24000	-.01020
1.100	6.734	-0.9090	-0.3420	-2.8000	-0.1010	.05680	.26990	-.03060
1.098	8.790	-1.1110	-0.1140	-2.9000	-0.1010	.09370	.27990	-.04080
1.100	10.842	-1.0100	-0.1140	-0.5000	.00000	.08960	.05000	-.06110
1.099	13.728	-0.9090	-0.1140	-0.4000	-0.1010	.07950	.02990	.00000
GRADIENT		.00034	-.00672	-.01822	-.00071	-.00706	.01751	-.02151

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

AMES 118-1-11 0A145A 01(PH1=90)

(D2F002) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

ALPHA = .000 ELEVON = .000
AILRON = .000 BOFLAP = .000
SPOBRK = 25.000 RUDDER = .000
RN/L = 5.000

PARAMETRIC DATA

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.200	-9.692	-.08080	-.02280	-.29000	.00000	.05800	.29000	-.01020
1.200	-7.692	-.10100	.00000	-.31000	.00000	.10100	.31000	-.02040
1.200	-5.625	-.08080	.00000	-.27000	-.02020	.08080	.24980	-.02040
1.201	-1.458	-.09090	-.02280	-.28000	-.01010	.06810	.26990	-.04080
1.200	-.437	-.08080	-.02280	-.25000	.00000	.05800	.25000	-.05100
1.200	.639	-.08080	.00000	-.09000	.00000	.08080	.09000	-.02040
1.199	1.618	-.08080	-.04550	-.29000	.00000	.03530	.29000	-.05100
1.198	2.650	-.08080	.00000	-.26000	-.01010	.06940	.27990	-.06110
1.199	3.682	-.08080	.00000	-.04000	.00000	.08080	.24990	-.06110
1.198	4.683	-.08080	.00000	-.04000	.00000	.06940	.04000	-.06110
1.198	6.740	-.08080	-.01140	-.04000	.00000	.05800	.02990	-.05100
1.198	8.806	-.08080	-.02280	-.04000	-.02020	.06810	.01980	-.04150
1.197	10.866	-.09090	-.02280	-.04000	-.03030	.06810	.05970	-.02040
1.198	13.761	-.09090	.00361	-.01756	.00000	.00255	-.01756	-.00386
	GRADIENT	.00106						

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.294	-9.714	-.09090	-.02280	.00000	-.02020	.06810	-.02020	-.06110
1.296	-7.715	-.09090	-.01140	.00000	-.01010	.07950	-.01010	-.07130
1.297	-5.644	-.10100	-.02280	.00000	-.01010	.07820	-.01010	-.08150
1.297	-1.465	-.08080	-.02280	.00000	.00000	.05800	.00000	-.09170
1.296	-.439	-.09090	-.02280	.00000	-.01010	.05810	-.01010	-.07130
1.299	.612	-.09090	-.01140	.00000	-.01010	.07950	.02030	.00000
1.296	1.622	-.09090	.00000	-.01000	-.03030	.07950	.03030	.00000
1.296	2.655	-.09090	-.02280	.00000	-.01010	.06810	.00010	.01040
1.295	3.689	-.09090	.00000	.01000	-.02020	.06940	-.01020	.02080
1.294	4.691	-.08080	-.01140	.00000	-.03030	.06590	-.03030	.04150
1.294	6.751	-.10100	-.03420	.00000	-.01010	.05800	.01990	.13500
1.293	8.820	-.08080	-.02280	-.03000	-.01010	.04790	.00980	-.02040
1.292	10.889	-.07070	-.32280	-.03000	-.02020	.05680	.12990	-.03060
1.296	13.834	-.09090	-.03420	-.14000	-.01010	.00080	-.00107	.01744
	GRADIENT	-.00001	.00079	-.00174	-.00281			

AMES 118-1-11 0A145A 01(PH1=90)

PARAMETRIC DATA

ALPHA	=	5.000	ELEVON	=	.000
AILRON	=	.000	BOFLAP	=	.000
SPDBRK	=	25.000	RUDDER	=	.000
RN/L	=	5.000			

26/ 0	RN/L = 5.03	GRADIENT INTERVAL = -5.00/ 5.00
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MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.596	-9.713	-.0808	-.03420	-.07000	-.01010	.04660	.05990	.01040
.597	-7.763	-.08080	-.02280	-.39000	-.01010	.05800	.39000	.02080
.597	-5.730	.07070	.02280	.37000	.00000	.04790	.37000	.01040
.597	-1.628	.08080	.01140	.37000	.00000	.06940	.37000	.00000
.597	-.616	.06060	.02280	.35000	.00000	.03780	.35000	.00000
.597	.435	.08080	.03420	.06000	.00000	.04660	.06000	.01040
.597	1.458	.07070	.01140	.07000	.00000	.05930	.07000	.00000
.597	2.507	.09090	.02280	.06000	.00000	.06810	.06000	.00000
.597	3.567	.07070	.03420	.04000	-.01010	.03650	.02990	.00000
.597	4.577	.07070	.03420	.03000	-.01010	.03650	.01990	.00000
.597	6.664	.07070	.03420	.03000	-.01010	.03650	.00000	.00000
.596	8.738	.07070	.03420	.03000	-.03030	.03650	-.00030	.00000
.596	10.798	.07070	.03420	.05000	-.03030	.03650	.01970	-.02040
.596	13.741	.09090	.02280	.04000	-.03030	.06810	.00970	-.02040
GRADIENT		-.00001	.00275	.05644	-.00174	-.00274	-.05818	-.00030

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(02F004) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO BETA = .000 ELEVON = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YO AILRON = .000 BDFLAP = .000
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPDBRK = 25.000 RUDDER = .000
SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 43/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.596	-08080	.00000	.00000	.00000	.08080	.00000	.02080
.597	-08080	.00000	.00000	.00000	.08080	.00000	.02080
.597	-08080	-01140	.00000	.00000	.06940	.00000	.02080
.599	-09090	.00000	.00000	.00000	.09090	.00000	.02080
.597	-08080	-01140	.00000	.00000	.06940	.01000	.02080
.598	-09090	.00000	.00000	.00000	.09090	.00000	.02080
.598	-07070	.00000	.00000	.00000	.07070	.00000	.02080
.598	-08080	.00000	.00000	.00000	.08080	.00000	.02080
.598	-09090	-01140	.00000	.00000	.07950	.01010	.02080
.597	-07070	-01140	.00000	.00000	.05930	.01010	.02080
.598	-08080	-02280	.00000	.00000	.05800	.00000	.02080
.598	-06060	-01140	.00000	.00000	.04920	.00000	.02080
.598	-00121	.00136	-00023	.00144	.00257	.00167	.00000

GRADIENT

RUN NO. 35/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.899	-05050	-03420	-01000	-02020	.01630	-01020	-01020
.900	-6.723	-02280	-01000	-03030	.07820	-02030	-01020
.898	-1.193	-04550	-01000	-02020	.05550	-01020	-01020
.900	.037	-02280	.00000	-03030	.08830	-03030	-01020
.901	1.615	-04550	-01000	-02020	.05550	-01020	-01020
.900	4.397	-04550	.00000	-02020	.05550	-02020	-01020
.899	6.670	-03420	.00000	.00000	.05680	.00000	-01020
.899	7.799	-04550	.00000	-02020	.05550	-02020	-02040
.898	10.048	-03420	.00000	-01010	.08710	-01010	-02040
.902	12.319	-04550	.00000	-04040	.04540	-04040	-01020
.901	15.627	-03420	.00000	-07070	.06690	-07070	.00000
.899	19.964	-09090	.00000	-05050	.04540	-05050	-03060
.899	GRADIENT	.00068	.00115	.00068	-.00221	-.00047	-.00000

(02F004) (16 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO BETA = .000 ELEVON = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YO AILRON = .000 BDFLAP = .000
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPOBRK = 25.000 RUDDER = .000
SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 29/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.198	-11.013	-1.1110	-0.1140	-0.0200	-0.0101	.09970	.00990	.01040
1.198	-6.751	-1.2120	-0.1140	-0.0200	-0.0202	.10980	-.07020	.00000
1.197	-1.139	-1.0100	-0.2280	-0.0100	-0.0303	.07820	-.02030	.01040
1.199	.033	-1.0100	-0.3420	-0.0100	-0.0202	.06690	-.01020	.00000
1.199	1.700	-1.0100	-0.2280	.00000	-0.0303	.07820	-.03030	.00000
1.199	4.549	-1.1110	-0.3420	-0.0200	-0.0303	.07700	-.01030	.00000
1.199	6.872	-1.0100	-0.3420	-0.0100	-0.0505	.06690	-.04050	.01040
1.200	8.017	-1.0100	-0.3420	-0.0200	-0.0303	.06690	-.01030	.01040
1.199	10.316	-1.0100	-0.4550	-0.0100	-0.0404	.05550	-.03040	.01040
1.200	12.626	-1.0100	-0.2280	-0.0100	-0.0404	.07820	-.03040	.01040
1.198	16.016	-1.1110	-0.2280	-0.0100	-0.0303	.08830	-.02030	.01040
1.198	20.408	-1.0100	-0.2280	-0.0200	-0.0404	.07820	-.02040	.01040
1.195	GRADIENT	-0.0180	-0.0125	-0.0156	-0.0069	.00056	.00087	-.00138

AMES 118-1-11 0A145A 01

REFERENCE DATA

GRADIENT	INTERVAL	=	-5.00/	5.00
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	.00252	- .00052	.00000	- .00304
GRADIENT				

35/ 0	5.06	GRADIENT INTERVAL =	-5.00/	5.00
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(02F005) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 30/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.198	-7.265	-1.1110	-0.1140	.00000	-0.1010	.09970	-0.1010	.10380
1.202	-6.282	-1.1210	-0.1140	.00000	-0.1010	.10980	-0.1010	.10380
1.200	-5.274	-1.1010	-0.1140	.00000	-0.3030	.08960	-0.3030	.10380
1.199	-2.142	-1.0100	-0.3420	.00000	-0.3030	.06690	-0.3030	.07270
1.199	-1.087	-1.0100	.00000	.00000	-0.3030	.10100	-0.3030	.05190
1.200	-.018	-1.0100	-0.2280	-.02000	-0.4040	.07820	-0.2040	.01040
1.199	.519	-1.1110	-0.3420	-0.1000	-0.3030	.07700	-0.2030	.03110
1.199	1.044	-1.1110	-0.3420	-0.1000	-0.5050	.07700	-0.4050	.02080
1.198	2.115	-1.0100	-0.2280	-0.1000	-0.5050	.07820	-0.4050	.01040
1.198	3.168	-1.0100	-0.2280	-0.1000	-0.5050	.07820	-0.4050	.01040
1.197	4.216	-1.0100	-0.2280	-0.2000	-0.4040	.07820	-0.2040	.01040
1.195	6.296	-.08080	-0.2280	-0.2000	-0.5050	.05800	-0.3050	.00000
1.197	7.333	-.08080	-0.2280	-0.2000	-0.6060	.05800	-0.4060	.00000
	GRADIENT	.00012	-.00022	-.00234	-.00287	-.00036	-.00054	-.00909

AMES 118-1-11 OAI145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 AILRON = .000 BDFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO.	0/ 0	RN/L = 5.02	GRADIENT INTERVAL = -5.00/ 5.00
MACH	ELEVON	ELV-LO	ELV-LI
.597	-35.872	-36.03700	-35.33100
.598	-30.604	-30.59900	-30.22600
.597	-25.470	-25.53200	-25.12300
.598	-20.356	-20.38000	-20.08000
.600	-15.312	-15.50600	-14.93400
.598	-10.155	-10.27500	-9.93490
.598	-5.044	-5.18300	-4.83050
.598	-.031	-.09090	-.03420
.598	4.955	5.19040	4.74920
.598	10.017	10.38100	9.98880
.598	14.933	15.24800	14.91300
.598	20.041	20.33400	20.07100
GRADIENT		1.05923	.95937
		ELV-RO	ELV-RI
		-36.99600	-35.12400
		-31.41500	-30.17700
		-26.16900	-25.05400
		-21.03200	-19.93000
		-15.70700	-15.10100
		-10.52800	-9.88120
		-5.21900	-4.94160
		.00000	.00000
		4.83170	5.04770
		9.69510	10.00500
		14.31100	15.25900
		19.37100	20.39100
		.96905	1.01237
		DELL	DELR
		.70550	1.87280
		.37340	1.23760
		.40910	1.11470
		.30020	1.10190
		.57210	.60620
		.33970	.64640
		.35250	.27740
		.05680	.00000
		-.44120	.21600
		-.39240	.30960
		-.33520	.94820
		-.26260	1.02040
		-.09988	.04332
		DRHL	
		.01040	
		.00000	
		.00000	
		.00000	
		.00000	
		.01040	
		.01040	
		.02080	
		.01040	
		.01040	
		.01040	
		.00209	

RUN NO.	0/ 0	RN/L = 5.04	GRADIENT INTERVAL = -5.00/ 5.00
MACH	ELEVON	ELV-LO	ELV-LI
.900	-36.129	-36.03700	-36.38200
.901	-30.609	-30.59900	-30.22600
.902	-25.467	-25.53200	-25.10100
.902	-20.350	-20.37000	-20.06800
.901	-15.304	-15.48400	-14.92400
.902	-10.153	-10.25500	-9.94590
.900	-5.049	-5.18300	-4.83050
.900	-.034	-.07070	-.03420
.899	4.964	5.19040	4.73760
.897	10.055	10.39400	9.82670
.899	14.975	15.21500	14.89500
.899	20.095	20.33400	20.04100
GRADIENT		1.05268	.95478
		ELV-RO	ELV-RI
		-36.98300	-35.11500
		-31.43500	-30.17700
		-26.16900	-25.06500
		-21.03200	-19.93000
		-15.69800	-15.11200
		-10.53900	-9.87130
		-5.23000	-4.95240
		.00000	-.03030
		4.89110	5.03700
		9.82670	9.99540
		14.53100	15.25900
		19.60600	20.39900
		.97865	1.01391
		DELL	DELR
		-.34560	1.86870
		.37340	1.25800
		.43110	1.10410
		.30190	1.10190
		.56020	.58630
		.30910	.66750
		.35250	.27760
		.36550	-.03030
		-.45280	.14590
		-.38040	.16870
		-.32000	.72830
		-.29230	.79360
		-.09790	.03526
		DRHL	
		.00000	
		.00000	
		.00000	
		.00000	
		.00000	
		.01040	
		.01040	
		.00000	
		.00000	
		.00000	
		.00000	

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OAI145 TABULATED FORCE DATA

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AMES 118-1-11 OAI145A 01

(02F006) (22 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

ALPHA = 5.000 BETA = .000
 AILRON = .000 BOFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 0/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.199	-35.866	-36.01800	-35.35100	-36.99600	-35.09700	.65710	1.89930	.00000
1.200	-30.613	-30.58900	-30.23700	-31.42500	-30.20200	.35260	1.22270	.00000
1.201	-25.462	-25.53200	-25.10100	-26.16000	-25.05400	.43110	1.10510	.00000
1.201	-15.315	-15.51700	-14.93400	-15.71700	-15.09100	.58320	.62610	-.01020
1.201	-10.157	-10.26500	-9.96810	-10.50500	-9.89110	.29670	.61400	.00000
1.199	-5.043	-5.20220	-4.83050	-5.19700	-4.94160	.37170	.25540	.00000
1.198	-.025	-.09090	.00000	.00000	-.01010	.09090	-.01010	.00000
1.198	4.965	5.19040	4.72600	4.94060	5.00490	-.46440	.06430	.00000
1.197	10.083	10.43400	9.99650	9.90580	9.99540	-.43780	.08960	.00000
1.197	15.021	15.24800	14.87800	14.70900	15.24800	-.37010	.53930	.00000
1.197	20.125	20.27600	20.06100	19.79000	20.37400	-.21530	.58400	.00000
GRADIENT		1.05821	.94694	.98994	1.00485	-.11126	.01491	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

ALPHA = 5.000 BETA = .000
 ELEVON = .000 BOFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

PARAMETRIC DATA

AMES 118-1-11 OAI145A 01

(02F007) (16 JUL 77)

RUN NO. 46/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.598	-5.048	-5.15420	-4.88600	5.11580	5.03700	.26820	-.07880	.02080
.598	-3.055	-3.18080	-2.88000	3.10000	3.06000	.30080	-.04000	.02080
.598	-2.090	-2.14600	-1.98230	2.16300	2.07000	.16360	-.09300	.01040
.598	-.023	-.08080	-.02280	.00000	.00000	.05800	.01000	.02080
.598	1.877	1.93070	1.83250	-1.85510	-1.89180	-.09820	-.03670	.01040
.598	2.889	3.04650	2.80530	-2.88140	-2.82390	-.24120	.05750	.01040
.598	4.947	5.27770	4.64460	-5.12000	-4.74520	-.63310	.37480	.01040
.598	8.074	9.23030	8.01430	-8.17170	-7.88120	-.21600	.29050	.01040
.598	10.077	10.30200	9.88940	-10.32600	-9.79210	-.41220	.53340	.01040
GRADIENT		1.05284	.94696	-1.02221	-.97798	-.10588	.04423	-.00103

(02F007) (16 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO.	40/ 0	RN/L = 5.00	GRADIENT INTERVAL = -5.00/ 5.00
MACH			
.900	AILRON	ELV-LO	ELV-LI
.900	-5.066	-5.15420	-4.90820
.900	-3.050	-3.18080	-2.87000
.902	-2.085	-2.15560	-1.97190
.900	-.029	-.08080	-.03420
.899	1.874	1.93070	1.80040
.901	2.892	3.04650	2.81630
.900	4.937	5.26800	4.65630
.899	8.084	8.23840	8.00530
.900	10.076	10.28800	9.88940
	GRADIENT	1.05408	.94786

RUN NO.	32/ 0	RN/L = 5.03	GRADIENT INTERVAL = -5.00/ 5.00
MACH			
1.199	AILRON	ELV-LO	ELV-LI
1.197	-5.088	-5.14460	-4.91930
1.198	-3.085	-3.19980	-2.90000
1.199	-2.102	-2.15560	-1.98230
1.199	-.011	-.05050	-.02280
1.198	1.877	1.90930	1.83250
1.198	2.889	3.05680	2.79430
1.198	4.920	5.21950	4.64460
1.196	8.084	8.23840	8.00530
1.198	10.078	10.30200	9.87410
	GRADIENT	1.04858	.94760

DEL	DEL	DEL	DEL
DEL	DEL	DEL	DEL
.24600	.24600	.24600	.24600
.31080	.31080	.31080	.31080
.18360	.18360	.18360	.18360
.04650	.04650	.04650	.04650
-.13030	-.13030	-.13030	-.13030
-.23010	-.23010	-.23010	-.23010
.04060	.04060	.04060	.04060
.31090	.31090	.31090	.31090
.52350	.52350	.52350	.52350
.01111	.01111	.01111	.01111

DEL	DEL	DEL	DEL
DEL	DEL	DEL	DEL
.22530	.22530	.22530	.22530
.29980	.29980	.29980	.29980
.17320	.17320	.17320	.17320
.00990	.00990	.00990	.00990
-.03690	-.03690	-.03690	-.03690
.05750	.05750	.05750	.05750
.07000	.07000	.07000	.07000
.29090	.29090	.29090	.29090
.51360	.51360	.51360	.51360
.02519	.02519	.02519	.02519

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

(D2F008) (16 JUL 77)

AMES 118-1-11 OAI43A 01

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
SPDRK = 25.000 RUDDER = .000
RN/L = 5.000

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

MACH	BOFLAP	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.598	-11.751	-.08080	-.03420	.00000	.00000	.04660	.00000	.02080
.598	-8.030	-.08080	-.03420	.00000	.00000	.04660	.00000	.02080
.598	-5.390	-.07070	-.03420	.00000	.00000	.03650	.00000	.02080
.598	-3.980	-.08080	-.03420	.00000	.00000	.04660	.00000	.02080
.598	-2.010	-.08080	-.03420	.00000	.00000	.04660	.00000	.02080
.598	.000	-.07070	-.04550	.00000	.00000	.02520	.00000	.02080
.598	1.970	-.07070	-.04550	.00000	.00000	.02520	.00000	.02080
.598	3.980	-.07070	-.04550	.00000	.00000	.02520	.00000	.02080
.598	5.990	-.07070	-.04550	.00000	.00000	.02520	.00000	.02080
.598	8.010	-.08080	-.04550	.00000	.00000	.03530	.00000	.02080
.598	12.050	-.07070	-.03420	.00000	.00000	.03650	.00000	.02080
.597	16.371	-.07070	-.03420	.00000	.00000	.03650	.00000	.02080
.597	22.566	-.07070	-.04550	.00000	.00000	.02520	.00000	.02080
GRADIENT		.00152	-.00170	.00000	-.00102	-.00323	-.00102	.00000

RUN NO. 47/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BOFLAP	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.900	-11.771	-.08080	-.01140	.00000	.00000	.06940	.00000	-.01020
.902	-8.020	-.08080	-.01140	.00000	.00000	.06940	.00000	-.01020
.900	-6.000	-.06050	-.01140	.00000	.00000	.04920	.00000	-.01020
.902	-4.000	-.06050	-.01140	.00000	.00000	.04920	.00000	-.01020
.899	-2.010	-.06050	-.01140	.00000	.00000	.04920	.00000	-.01020
.900	.000	-.07070	-.02280	.00000	.00000	.05930	.00000	-.02040
.900	1.960	-.07070	-.02280	.00000	.00000	.04790	.00000	-.01020
.900	3.970	-.07070	-.02280	.00000	.00000	.04790	.00000	-.02040
.899	5.970	-.07070	-.02280	.00000	.00000	.04790	.00000	-.02040
.899	7.990	-.07070	-.02280	.00000	.00000	.04790	.00000	-.01020
.900	12.040	-.07070	-.02280	.00000	.00000	.04790	.00000	-.02040
.900	16.371	-.07070	-.02280	.00000	.00000	.04790	.00000	-.01020
.899	22.556	-.07070	-.02280	.00000	.00000	.04790	.00000	-.01020
GRADIENT		-.00152	-.00057	.00000	-.00102	.00095	-.00102	.00102

RUN NO. 41/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(D2F008) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 33/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BOFLAP	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.199	-11.761	-.09090	-.03420	-.01000	-.02020	.05680	-.01020	.00000
1.199	-8.020	-.08080	-.03420	.00000	-.02020	.04660	-.02020	.00000
1.198	-6.000	-.08080	-.03420	-.01000	-.03030	.04660	-.02030	.00000
1.198	-4.010	-.07070	-.05690	-.01000	-.02020	.01380	-.01020	.00000
1.199	-2.010	-.07070	-.04550	.00000	-.02020	.02520	-.02020	.00000
1.198	-.010	-.09090	-.04550	.00000	-.02020	.04540	-.02020	.00000
1.199	1.940	-.09090	-.04550	.00000	-.02020	.04540	-.02020	.00000
1.200	3.960	-.09090	-.04550	.00000	-.03030	.04540	-.03030	.00000
1.199	5.970	-.09090	-.05690	.00000	-.02020	.04660	-.02020	.00000
1.199	8.000	-.08080	-.03420	.00000	-.02020	.04660	-.01010	.00000
1.198	12.030	-.08080	-.03420	.00000	-.01010	.04660	-.02020	.00000
1.199	16.351	-.08080	-.04550	.00000	-.02020	.03530	-.02020	.00000
1.199	22.353	-.08080	-.04550	.00000	-.02020	.03530	-.02020	.00000
1.199	GRADIENT	-.00305	.00115	.00101	.00000	.00420	-.00101	.00300

AMES 118-1-11 OAI45A 01

(D2F009) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BOFLAP = .000 SPDBRK = 25.000
 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 48/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.598	-1.077	-.07070	-.04550	.00000	.00000	.01380	.00000	-10.03000
.598	-4.130	-.07070	-.04550	.00000	.00000	.02520	.00000	-5.02710
.598	-2.071	-.07070	-.07070	.00000	.00000	.01380	.00000	-2.52240
.598	-.025	-.06060	-.05690	.00000	.00000	.00370	.00000	-.03060
.598	2.107	-.08080	-.05690	.00000	.00000	.02390	.00000	2.56610
.598	4.111	-.07070	-.04550	.00000	.00000	.02520	.00000	5.00450
.598	8.360	-.07070	-.04550	.00000	.00000	.02520	.00000	10.15000
.598	GRADIENT	-.00050	-.00000	.00000	.00000	.00050	.00000	1.21743

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(DEF009) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BOFLAP = .000 SPDBRK = 25.000
 RN/L = 5.000

RUN NO. 42/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.901	-8.267	-.07070	-.01140	.00000	.00000	.05930	.00000	-10.03800
.901	-4.138	-.05050	-.02280	.00000	.00000	.02770	.00000	-5.03740
.900	-2.089	-.06060	-.03420	.00000	.00000	.02640	.00000	-2.54480
.902	.008	-.06060	-.02280	.00000	.00000	.03780	.00000	.01040
.901	2.132	-.06060	-.02280	.00000	.00000	.03780	.01000	2.59660
.901	4.111	-.06060	-.02280	.00000	.00000	.03780	.01000	5.00450
.901	8.394	-.06060	-.02280	.00000	.00000	.03780	.00000	10.19100
.901	GRADIENT	-.00097	.00056	-.00145	.00000	.00153	.00145	1.21744

RUN NO. 34/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.199	-12.488	-.09090	-.05690	.00000	.00000	.03400	-.02020	-15.10000
1.199	-8.259	-.10100	-.05690	.00000	.00000	.04410	-.02020	-10.02900
1.200	-4.121	-.08080	-.05690	.00000	.00000	.02390	-.02020	-5.01680
1.198	-2.071	-.08080	-.03420	.00000	.00000	.04660	-.04040	-2.52240
1.198	.008	-.07070	-.03420	.00000	.00000	.03650	-.01020	.01040
1.200	2.090	-.09090	-.03420	.00000	.00000	.05680	-.03040	2.54580
1.199	4.111	-.09090	-.03420	.00000	.00000	.05680	-.01020	5.00450
1.200	8.368	-.09090	-.03420	.00000	.00000	.05680	-.02020	10.16100
1.200	GRADIENT	-.00147	.00220	-.00146	-.00001	.00368	.00145	1.21744

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(02F010) (18 MAY 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

ALPHA	MACH	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
4.397	.593	-.09090	.00000	.00000	.00000	.09090	.00000	-.01020
4.436	.651	-.08080	.00000	.00000	.00000	.08080	.00000	-.01020
4.468	.700	-.07070	.00000	.00000	.00000	.07070	.00000	-.01020
4.502	.747	-.08080	.00000	.00000	.00000	.08080	.00000	-.01020
4.538	.796	-.09090	-.01140	.00000	.00000	.07950	.00000	-.01020
4.575	.868	-.08080	-.01140	.00000	.00000	.06940	.00000	-.01020
4.607	.900	-.07070	.00000	.00000	.00000	.07070	.00000	-.01020
4.640	.921	-.08080	.00000	.00000	.00000	.08080	.00000	-.02040
4.675	.935	-.08080	.00000	.00000	.00000	.08080	.00000	-.01020
4.707	.953	-.08080	-.01140	.00000	.00000	.06940	.00000	-.01020
4.739	.971	-.07070	.00000	.00000	.00000	.07070	.00000	-.01020
4.769	.987	-.07070	.00000	.00000	.00000	.07070	.00000	-.01020
4.796	1.003	-.08080	-.01140	.00000	.00000	.06940	.00000	-.01020
4.822	1.012	-.07070	.00000	.00000	.00000	.05930	.00000	-.02040
4.846	1.023	-.09090	-.01140	.00000	.00000	.07950	.00000	-.02040
4.909	1.032	-.07070	.00000	.00000	.00000	.05930	.00000	-.03060
4.919	1.042	-.07070	-.01140	.00000	.00000	.05930	.00000	-.03060
4.935	1.055	-.07070	-.01140	.00000	.00000	.05930	.00000	-.03060
4.959	1.109	-.06060	.00000	.00000	.00000	.06060	.00000	-.03060
4.973	1.146	-.06060	.00000	.00000	.00000	.06060	.00000	-.04080
4.963	1.196	-.08080	-.01140	.00000	.00000	.06940	.00000	-.04080
4.962	1.203	-.08080	-.01140	.00000	.00000	.05940	.00000	-.03060
4.963	1.295	-.07070	.00000	-.02000	.00000	.07070	.00000	-.04080
4.926	1.348	-.08080	-.01140	.00000	.00000	.06940	.00000	-.03060
4.962	1.404	-.07070	-.01140	.00000	.00000	.05930	.00000	-.04080
4.982	GRADIENT	.01538	-.01115	-.00569	.00000	-.02652	.00589	-.04739

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

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AMES 118-1-11 0A145A 01

(DEF011) (18 MAY 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 52/ 0 RN/L = 4.83 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
14.971	.590	-.08080	.00000	.00000	.00000	.08080	.00000	-.02040
14.630	.647	-.08080	.00000	-.02000	.00000	.08080	.02000	-.02040
14.742	.700	-.08080	.00000	.01150	.00000	.08080	-.01150	-.02040
14.829	.740	-.07070	.00000	.01150	.00000	.07070	-.01150	-.01020
14.976	.812	-.07070	.00000	.00000	.00000	.07070	.00000	-.01020
14.828	.881	-.07070	.00000	.00000	.00000	.07070	.00000	-.02040
14.855	.894	-.07070	.00000	.00000	.00000	.07070	.00000	-.04080
14.891	.909	-.08080	.00000	.00000	.00000	.08080	.00000	-.03060
15.039	.956	-.08080	-.01140	.01150	.00000	.06940	-.01150	-.03060
15.082	.969	-.09090	.00000	.00000	.00000	.09090	.00000	-.03060
15.054	.987	-.07070	-.01140	.00000	.00000	.05930	.00000	-.03060
15.088	1.000	-.08080	.00000	.01150	.00000	.08080	-.01150	-.03060
15.115	1.013	-.08080	.00000	.02300	.00990	.08080	-.01310	-.02040
15.132	1.021	-.07070	.00000	.00000	.00000	.07070	.00000	-.03060
15.033	1.033	-.07070	-.01140	.00000	.00000	.05930	.00000	-.02040
15.074	1.043	-.07070	.00000	.00000	.00990	.07070	.00990	-.02040
15.092	1.052	-.08080	-.01140	.01150	.00990	.06940	-.00160	-.02040
15.167	1.103	-.07070	-.01140	.00000	.00990	.05930	.00990	-.01020
15.274	1.152	-.08080	.00000	.00000	.00000	.08080	.00000	-.01020
15.243	1.203	-.09090	-.02280	.00000	.00000	.06810	.00000	-.02040
15.222	1.249	-.07070	-.01140	.00000	.00000	.05930	.00000	-.02040
15.222	1.298	-.08080	.00000	.00000	.00000	.08080	.00000	-.02040
15.204	1.353	-.07070	.00000	.00000	.00000	.07070	.00000	-.01020
15.162	1.397	-.09090	.00000	.00000	.00000	.09090	.00000	-.02040
14.803	GRADIENT	-.00444	-.00864	.00097	.00201	-.00419	.00104	.00519

AMES 118-1-11 0A145A 01

(D2F012) (16 JUL 77)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.
LREF	=	474.8100	INCHES
BREF	=	936.6800	INCHES
SCALE	=	.0500	

XMRP	=	1076.6800	IN.	X0
YMRP	=	.0000	IN.	Y0
ZMRP	=	375.0000	IN.	Z0

BETA	=	.000	ELEVON	=	.000
AILRON	=	.000	BDFLAP	=	.000
SPDBRK	=	25.000	RUDDER	=	.000
RN/L	=	5.000			

PARAMETRIC DATA

RUN NO.	B9/ 0	RN/L = 5.07	GRADIENT INTERVAL = -5.00/ 5.00
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MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.898	-9.783	-.08080	-.06830	-.01000	-.02020	.01250	-.01020	.00000
.899	-4.883	-.09090	-.07970	-.01000	-.03030	.01120	-.02030	.00000
.901	.126	-.09090	-.07970	-.01000	-.03030	.01120	-.02030	.00000
.899	3.192	-.10100	-.07970	-.01000	-.03030	.02130	-.02030	.01020
.900	5.186	-.10100	-.07970	-.01000	-.02020	.02130	-.01020	-.02040
.899	5.659	-.10100	-.07970	-.01000	-.03030	.02130	-.02030	-.01020
.899	6.208	-.10100	-.07970	-.01000	-.02020	.02130	-.01020	-.03060
.899	7.239	-.09090	-.07970	-.02000	-.03030	.01120	-.01030	-.03060
.898	8.294	-.10100	-.07970	-.02000	-.03030	.02130	-.01030	-.01020
.900	9.292	-.11110	-.07970	-.02000	-.03030	.03140	-.01030	-.02040
.898	10.337	-.10100	-.07970	-.01000	-.02020	.02130	-.01020	.00000
.899	11.371	-.10100	-.07970	-.02000	-.03030	.02130	-.01030	-.04080
.899	12.386	-.10100	-.07970	-.01000	-.03030	.02130	-.02030	.00000
.899	13.404	-.11110	-.07970	-.01000	-.03030	.03140	-.02030	-.06110
.899	15.471	-.10100	-.09110	-.02000	-.03030	.00990	-.01030	.02080
.899	20.394	-.11110	-.07970	-.02000	-.03030	.03140	-.01030	-.04080
.897		-.00113	.00000	-.00000	.00000	.00113	.00000	-.00114
GRADIENT								

RUN NO.	62/ 0	RN/L =	5.02	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

AMES 118-1-11 0A145A 01

(D2F012) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 171/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.050	-4.952	-0.7070	-0.4550	-0.3000	-0.2020	.02520	.00980	.02080
1.051	.237	-0.7070	-0.4550	-0.3000	-0.2020	.02520	.00980	.02080
1.048	2.804	-0.8080	-0.4550	-0.2000	-0.2020	.03530	.00020	.03110
1.046	5.332	-0.8080	-0.4550	-0.2000	-0.2020	.03530	.00020	.01020
1.048	6.204	-0.8080	-0.4550	-0.2000	-0.2020	.03530	.00020	.02040
1.049	7.394	-0.8080	-0.5690	-0.3000	-0.2020	.02390	.00980	.02040
1.048	8.379	-0.8080	-0.5690	-0.2000	-0.2020	.02390	.00020	.03060
1.048	9.460	-0.8080	-0.4550	-0.3000	-0.2020	.03530	.00980	.04080
1.050	10.519	-0.8080	-0.4550	-0.2000	-0.2020	.03530	.00020	.06110
1.049	11.504	-0.8080	-0.4550	-0.2000	-0.2020	.03530	.00980	.07130
1.048	12.723	-0.8080	-0.4550	-0.2000	-0.2020	.03530	.00020	.08150
1.048	13.585	-0.9090	-0.4550	-0.2000	-0.2020	.04540	.00980	.08150
1.046	15.666	-0.9090	-0.4550	-0.2000	-0.2020	.04540	.00020	.09170
1.046	20.642	-0.8080	-0.5690	-0.3000	-0.2020	.02390	.00980	.11210
1.048	GRADIENT	-0.0111	.00000	.00110	.00000	.00111	.00110	.00114

RUN NO. 122/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.100	-5.494	-0.7070	-0.4550	-0.2000	-0.1010	.02520	.00990	.00000
1.104	.165	-0.7070	-0.4550	-0.3000	-0.2020	.02520	.00980	.00000
1.106	.142	-0.7070	-0.4550	-0.1000	-0.1010	.02520	.08990	.00000
1.099	2.432	-0.7070	-0.4550	-0.3000	-0.2020	.02520	.00980	.00000
1.100	4.991	-0.8080	-0.5690	-0.2800	-0.2020	.02390	.25980	.00000
1.100	5.907	-0.7070	-0.4550	-0.9000	-0.1010	.02520	.07990	.00000
1.100	6.948	-0.7070	-0.4550	-0.8000	-0.1010	.02520	.06990	.00000
1.098	7.973	-0.7070	-0.4550	-0.9000	-0.1010	.02520	.06990	.00000
1.099	8.969	-0.8080	-0.5690	-0.9000	-0.3030	.02390	.03970	.00000
1.098	10.149	-0.8080	-0.5690	-0.7000	-0.2020	.02390	.06980	.00000
1.098	11.014	-0.8080	-0.5690	-0.9000	-0.1010	.02390	.06990	.00000
1.098	12.091	-0.9090	-0.5690	-0.8000	-0.1010	.02390	.08980	.00000
1.100	13.046	-0.8080	-0.5690	-1.1000	-0.2020	.02390	.08980	.00000
1.095	15.217	-0.8080	-0.5690	-1.1000	-0.2020	.02390	.08980	.00000
1.095	19.660	-0.9090	-0.5690	-0.8000	-0.2020	.03400	.05980	.00000
1.085	GRADIENT	-0.0185	-.00208	-.03874	-.00100	-.00024	.03774	.00000

AMES 118-1-11 0A145A 01

(02F012) (16 JUL 77)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP
LREF	=	474.8100	INCHES	YMRP
BREF	=	936.6800	INCHES	ZMRP
SCALE	=	.0500		

PARAMETRIC DATA

BETA	=	.000	ELEVON	=	.000
AILRON	=	.000	BDFLAP	=	.000
SPDBRK	=	25.000	RUDDER	=	.000
RN/L	=	5.000			

RUN NO.	81/ 0	RN/L = 5.06	GRADIENT INTERVAL =	-5.00/	5.00	
ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR
-5.129	-.08080	-.05690	-.39000	-.01010	.02390	.37990
-.120	-.09090	-.05690	-.19000	-.01010	.03400	.17990
2.435	-.09090	-.05690	-.21000	.00000	.03400	.21000
4.961	-.09090	-.05690	-.10000	.00000	.03400	.10000
5.966	-.09090	-.05690	-.08000	-.01010	.03400	.06990
6.979	-.09090	-.05690	-.09000	-.01010	.03400	.07990
8.033	-.09090	-.05690	-.12000	-.01010	.03400	.10990
9.019	-.09090	-.05690	-.08000	-.03030	.03400	.04970
10.127	-.09090	-.05690	-.09000	.00000	.03400	.09000
11.526	-.07070	-.05690	-.07000	.00000	.01380	.07000
12.185	-.09090	-.05690	-.10000	-.01010	.03400	.08990
13.515	-.09090	-.05690	-.07000	.00000	.03400	.07000
15.280	-.09090	-.05690	-.09000	-.01010	.03400	.07990
20.297	-.09090	-.06830	-.12000	-.01010	.02260	.10990
GRADIENT	.00000	.00000	.01767	.00199	-.00000	-.01568
						-.00205

RUN NO.	78/ 0	RN/L	5.02	GRADIENT	INTERVAL	- 5.00/	5.00	DRAL
ALPHA								
5.112	0.0000	-0.0420	-0.0100	-0.0100	0.0460	-0.0010	0.0000	
5.114	0.0000	-0.0420	-0.0100	-0.0100	0.0460	-0.0010	0.0000	
5.375	0.0100	-0.0420	-0.0100	-0.0100	0.0460	-0.0010	0.0000	
4.895	0.0000	-0.0280	-0.0100	-0.0100	0.0500	-0.0010	0.0000	
6.696	0.0000	-0.0280	-0.0100	-0.0100	0.0610	-0.0010	0.0000	
7.043	0.0000	-0.0340	-0.0100	-0.0100	0.0500	-0.0010	0.0000	
8.067	0.0000	-0.0280	-0.0100	-0.0100	0.0610	-0.0010	0.0000	
9.130	0.0000	-0.0340	-0.0100	-0.0100	0.0460	-0.0010	0.0000	
10.134	0.0000	-0.0340	-0.0100	-0.0100	0.0560	-0.0010	0.0000	
11.156	0.0000	-0.0340	-0.0100	-0.0100	0.0460	-0.0010	0.0000	
12.198	0.0000	-0.0340	-0.0100	-0.0100	0.0560	-0.0010	0.0000	
13.258	0.0000	-0.0340	-0.0100	-0.0100	0.0560	-0.0010	0.0000	
15.313	0.0000	-0.0340	-0.0200	-0.0200	0.0560	-0.0020	0.0000	
20.319	0.0000	-0.0450	-0.0100	-0.0100	0.0450	-0.0010	0.0000	
GRADIENT	0.0198	-0.0001	-0.0000	-0.0000	-0.0199	-0.0000	0.0000	

0A145 TABULATED FORCE DATA

DATE 10 MAR 80

(02F012) (16 JUL 77)

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 145/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH
1.397
1.404
1.405
1.399
1.397
1.398
1.399
1.400
1.399
1.398
1.397
1.398
GRADIENT

ELV-LO
-.09090
-.04550
-.04550
-.10100
-.10100
-.10100
-.11110
-.11110
-.11110
-.11110
-.11110
-.08080
-.08080
-.00000

ELV-RO
.00000
.00000
.00000
.00000
.00000
.00000
.00000
.00000
.00000
.00000
.00000
.00000
.00000
.00000

ELV-R1
-.03030
-.03030
-.03030
-.02020
-.03030
-.02020
-.02020
-.02020
-.03030
-.03030
-.03030
-.02020
-.02020
-.00115

DEL
.04540
.03030
.03030
.05550
.05550
.05550
.06560
.06560
.06560
.06560
.06560
.02390
.03530
-.00000

DELH
-.04080
-.04080
-.04080
-.04080
-.04080
-.05100
-.05100
-.05100
-.04080
-.05100
-.06110
-.06110
-.14540
-.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

RUN NO. 269/ 0 RN/L = 2.97

MACH
.595
.601
.600
.598
.599
.598
.598
.598
14.403
GRADIENT

ELV-LO
.02550
.02550
.02550
.02550
.02550
.02550
.02550
.02550
.02550
.02550
.02550
.02550
.02550
.02550

ELV-RO
.01150
.01150
.01150
.01150
.01150
.01150
.01150
.01150
.01150
.01150
.01150
.01150
.01150
.01150

ELV-R1
.01980
.01980
.01980
.02970
.01980
.01980
.01980
.01980
.01980
.01980
.01980
.01980
.01980
.00197

DEL
.00510
.00510
.00510
.00510
.00510
.00510
.00510
.00510
.00510
.00510
.00510
.00340
.00340
-.00000

DELH
-.03060
-.03060
-.03060
-.03060
-.03060
-.03060
-.03060
-.03060
-.03060
-.03060
-.03060
-.03060
-.03060
-.00000

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PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 3.000

(02F013) (16 JUL 77)

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(02F013) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILLRON = .000 BDFLAP = .000
SPDRK = 25.000 RUDDER = .000
RN/L = 3.000

RUN NO. 272/ 0 RN/L = 2.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH

ALPHA
-5.768
-800
1.723
4.257
6.282
7.276
9.283
11.289
14.249
GRADIENT

ELV-LO .01700
ELV-LI .02040
ELV-RO .01150
ELV-RI .01980
DELL .00340
DELR .00830
DRHL -.06110

ELV-LO .01700
ELV-LI .02040
ELV-RO .01150
ELV-RI .01980
DELL .00340
DELR .00830
DRHL -.06110

ELV-LO .01700
ELV-LI .02040
ELV-RO .01150
ELV-RI .01980
DELL .00340
DELR .00830
DRHL -.06110

ELV-LO .01700
ELV-LI .02040
ELV-RO .01150
ELV-RI .01980
DELL .00340
DELR .00830
DRHL -.06110

RUN NO. 280/ 0 RN/L = 2.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH

ALPHA
-5.054
-1.025
2.463
5.006
7.018
8.038
10.083
12.144
15.233
GRADIENT

ELV-LO .01700
ELV-LI .03060
ELV-RO .03450
ELV-RI .03960
DELL .01360
DELR .00510
DRHL .00000

ELV-LO .01700
ELV-LI .03060
ELV-RO .03450
ELV-RI .03960
DELL .01360
DELR .00510
DRHL .00000

ELV-LO .01700
ELV-LI .03060
ELV-RO .03450
ELV-RI .03960
DELL .01360
DELR .00510
DRHL .00000

ELV-LO .01700
ELV-LI .03060
ELV-RO .03450
ELV-RI .03960
DELL .01360
DELR .00510
DRHL .00000

RUN NO. 276/ 0 RN/L = 3.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH

ALPHA
-5.029
-1.040
2.498
5.006
7.039
8.067
10.114
12.139
15.217
GRADIENT

ELV-LO .01700
ELV-LI .03060
ELV-RO .02300
ELV-RI .01980
DELL .01360
DELR .00320
DRHL -.03060

ELV-LO .01700
ELV-LI .03060
ELV-RO .02300
ELV-RI .01980
DELL .01360
DELR .00320
DRHL -.03060

ELV-LO .01700
ELV-LI .03060
ELV-RO .02300
ELV-RI .01980
DELL .01360
DELR .00320
DRHL -.03060

ELV-LO .01700
ELV-LI .03060
ELV-RO .02300
ELV-RI .01980
DELL .01360
DELR .00320
DRHL -.03060

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(02F014) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LRCF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 9.000

RUN NO. 337/ 0 RN/L = 6.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.597	.222	.01700	.02040	.03450	.01980	.00340	-.01470	-.10190
.597	2.788	.01700	.02040	.03450	.01980	.00340	-.01470	-.11210
.597	5.297	.01700	.02040	.03450	.01980	.00340	-.01470	-.05100
.596	6.268	.01700	.02040	.03450	.01980	.00340	-.01470	-.11210
.597	7.257	.01700	.02040	.03450	.01980	.00340	-.01470	-.09170
.597	8.105	.01700	.02040	.03450	.01980	.00340	-.01470	-.07130
.597	9.075	.01700	.02040	.03450	.01980	.00340	-.01470	.00000
.596	10.005	.01700	.02040	.04590	.01980	.00340	-.02610	.00000
	GRADIENT	.00000	-.00000	.00000	.00000	.00000	.00000	-.00398

RUN NO. 338/ 0 RN/L = 7.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.800	.261	.02550	.03060	.03450	.00990	.00510	-.02460	-.14270
.800	2.652	.02550	.03060	.03450	.01980	.00510	-.01470	.02080
.799	5.188	.02550	.03060	.02300	.01980	.00510	-.00320	-.04080
.799	6.084	.02550	.03060	.02300	.01980	.00510	-.00320	.01040
.801	7.145	.03400	.03060	.03450	.01980	.00340	-.01470	.00000
.803	8.132	.02550	.03060	.03450	.01980	.00510	-.01470	-.01020
.799	9.138	.02550	.03060	.02300	.00990	.00510	-.01310	-.06110
	10.141	.03400	.03060	.03450	.01980	.00340	-.01470	.00000
	GRADIENT	.00000	.00000	.00000	.00414	.00000	.00414	.06840

RUN NO. 382/ 0 RN/L = 8.70 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.899	-.297	.01700	.01020	.01150	.01980	-.00680	.00830	.03110
.898	2.259	.01700	.01020	.01150	.01980	-.00680	.00830	.00000
.898	4.862	.01700	.01020	.02300	.01980	-.00680	-.00320	-.04080
.899	5.917	.01700	.01020	.01150	.01980	-.00680	.00830	-.15290
.896	6.931	.01700	.01020	.00000	.01980	-.00680	.01980	-.12230
.899	8.023	.01700	.01020	.01150	.01980	-.00680	.00830	-.19360
.898	9.053	.01700	.01020	.01150	.01980	-.00680	.00830	.08310
.899	10.082	.01700	.01020	.01150	.01980	-.00680	.00830	.07270
.899	11.153	.01700	.01020	.01150	.01980	-.00680	.00830	.01040
.898	12.120	.01700	.01020	.01150	.01980	-.00680	.00830	.01040
.900	13.148	.01700	.01020	.01150	.01980	-.00680	.00830	-.01020
.900	15.246	.01700	.01020	.01150	.01980	-.00680	.00830	.08310
	GRADIENT	.00000	.00000	.00224	-.00000	.00000	-.00224	-.01394

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

(02F014) (16 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDRK = 25.000 RUDDER = .000
 RN/L = 9.000

RUN NO. 381/ 0 RN/L = 8.80 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.948	2.288	.02550	.01020	.01150	.02970	-.01530	.01820	-.04080
.947	2.281	.03400	.01020	.01150	.02970	-.02380	.01820	-.01020
.947	4.907	.03400	.01020	.02300	.02970	-.02380	.00670	-.01020
.948	5.952	.03400	.01020	.02300	.02970	-.02380	.00670	.00000
.948	6.981	.03400	.01020	.02300	.02970	-.02380	.00670	-.02040
.949	8.066	.02550	.01020	.02300	.02970	-.01530	.00670	.00000
.948	9.088	.00850	.01020	.02300	.02970	.00170	.00670	.16610
.948	10.087	.01700	.01020	.02300	.02970	-.00680	.00670	-.05100
.948	11.132	.01700	.01020	.02300	.02970	-.00680	.00670	.00000
.949	12.179	.00850	.01020	.01150	.01980	.00170	.00830	-.01020
.947	13.176	.00850	.01020	.02300	.01980	.00170	-.00320	-.04080
.949	15.287	.00850	.01020	.01150	.01980	.00170	.00830	.05190
GRADIENT		.00163	.00000	.00222	.00000	-.00163	-.00222	.00587

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(02F015) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BOFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 193/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.600	-9.706	-.08080	-.06830	-.01000	-.02020	.01250	-.01020	-.01020
.600	-4.798	-.09090	-.06830	-.01000	-.02020	.02260	-.01020	-.01020
.602	.224	-.09090	-.06830	-.01000	-.02020	.02260	-.01020	-.01020
.600	2.842	-.09090	-.06830	-.01000	-.02020	.02260	-.01020	.00000
.600	5.371	-.09090	-.06830	-.01000	-.02020	.02260	-.01020	.00000
.600	6.305	-.09090	-.05690	-.01000	-.02020	.03400	-.01020	-.01020
.600	7.269	-.09090	-.06830	-.01000	-.02020	.02260	-.01020	.00000
.600	8.268	-.09090	-.06830	-.01000	-.02020	.02260	-.01020	-.01020
.600	9.251	-.09090	-.05690	-.01000	-.02020	.03400	-.01020	.00000
.600	10.277	-.09090	-.05690	-.01000	-.02020	.03270	-.01020	.00000
.600	11.299	-.10100	-.06830	-.01000	-.02020	.00240	-.01020	.00000
.600	12.331	-.07070	-.06830	-.01000	-.02020	.01380	-.00020	.00000
.599	13.327	-.07070	-.05690	-.02000	-.02020	.00240	-.01020	.00000
.600	15.363	-.07070	-.06830	-.01000	-.02020	.00240	-.01020	-.01020
.599	19.683	-.07070	-.06830	-.01000	-.02020	.00000	-.00000	-.02040
	GRADIENT	.00000	-.00000	.00000	-.00000	-.00000	-.00000	.00116

RUN NO. 121/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.797	-10.386	-.07070	-.05690	-.08000	-.01010	.01380	.06990	-.16310
.800	-5.163	-.07070	-.05690	-.10000	-.01010	.01380	.08990	-.17330
.801	-.112	-.07070	-.04550	-.10000	-.01010	.02520	.08990	-.17330
.798	2.523	-.07070	-.05690	-.10000	-.01010	.01380	.08990	-.16310
.797	5.189	-.07070	-.05690	-.09000	-.01010	.01380	.07990	-.17330
.797	6.087	-.07070	-.05690	-.09000	-.02020	.01380	.06980	-.17330
.798	7.216	-.07070	-.05690	-.10000	-.01010	.01380	.08990	-.18340
.800	8.191	-.08080	-.04550	-.09000	-.01010	.03530	.07990	-.17330
.798	9.234	-.08080	-.05690	-.09000	-.01010	.03400	.07990	-.16310
.797	10.179	-.09090	-.05690	-.10000	-.02020	.01380	.07980	-.14270
.799	11.252	-.07070	-.05690	-.10000	-.02020	.03400	.07980	-.17330
.799	12.234	-.09090	-.05690	-.10000	-.01010	.01380	.07990	-.18340
.797	13.260	-.07070	-.05690	-.09000	-.02020	.04540	.06980	-.17330
.797	15.376	-.09090	-.04550	-.09000	-.02020	.02390	.06980	-.24460
.799	20.408	-.08080	-.05690	-.09000	-.02020	.00000	.00000	.00387
	GRADIENT	.00000	-.00433	.00000	.00000	-.00433	.00000	.00387

DATE 10 MAR 80

OAI145 TABULATED FORCE DATA

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(02F015) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

BETA = 2.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 172/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.901	-9.864	-.09090	-.04550	-.01000	-.02020	.04540	-.01020	-.08150
.900	-4.787	-.09090	-.04550	-.03000	-.02020	.04540	.00980	-.07130
.901	.250	-.09090	-.03420	-.03000	-.02020	.05680	.00980	-.09170
.899	2.873	-.11110	-.03420	-.02000	-.02020	.07700	.00980	-.04080
.900	5.519	-.08080	-.04550	-.02000	-.02020	.03530	-.00020	-.02040
.899	6.559	-.08080	-.03420	-.04000	-.02020	.04660	.01980	.00000
.900	7.586	-.09090	-.04550	-.01000	-.02020	.04540	-.01020	.00000
.900	8.564	-.11110	-.04550	-.02000	-.02020	.06560	-.00020	.03110
.900	9.608	-.08080	-.04550	-.02000	-.02020	.03530	-.00020	.03110
.899	10.632	-.09090	-.04550	-.03000	-.02020	.04540	.00980	.06230
.893	11.631	-.08080	-.04550	-.01000	-.02020	.03530	-.01020	.05190
.899	12.666	-.08080	-.04550	-.01000	-.02020	.03530	.01020	.06230
.900	13.662	-.10100	-.04550	-.02000	-.02020	.05550	-.00020	.07270
.900	15.729	-.09090	-.04550	-.02000	-.02020	.04540	-.00020	.17650
.899	20.607	-.08080	-.04550	-.02000	-.02020	.03530	-.00020	-.01020
GRADIENT		-.00228	.00158	.00000	.00000	.00388	-.00000	.00291

RUN NO. 132/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.951	-5.544	-.10100	-.05690	-.02000	-.02020	.04410	-.00020	.00000
.951	-.107	-.09090	-.05690	-.02000	-.02020	.03400	-.00020	.00000
.952	2.460	-.10100	-.05690	-.02000	-.01010	.03400	.00990	.00000
.950	5.223	-.10100	-.05690	-.03000	-.02020	.04410	.00980	.00000
.951	6.190	-.10100	-.05690	-.02000	-.02020	.04410	-.00020	.00000
.950	7.175	-.10100	-.04550	-.02000	-.01010	.05550	.00990	.00000
.949	8.122	-.10100	-.05690	-.02000	-.01010	.04410	.00990	.00000
.950	9.166	-.10100	-.04550	-.03000	-.01010	.05550	.01990	.00000
.946	10.146	-.10100	-.05690	-.03000	-.02020	.04410	.00980	.00000
.947	11.208	-.10100	-.05690	-.02000	-.02020	.04410	-.00020	-.01020
.948	12.203	-.10100	-.05690	-.03000	-.02020	.04410	.00980	-.01020
.946	13.207	-.09090	-.05690	-.02000	-.02020	.03400	-.00020	-.01020
.948	15.282	-.10100	-.05690	-.03000	-.02020	.04410	.00980	-.01020
.947	20.288	-.09090	-.05690	-.02000	-.02020	.03400	-.00020	.00000
GRADIENT		.00000	.00000	.00000	.00393	.00000	.00393	.00000

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

(D2F015) (16 JUL 77)

AMES 11B-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 56/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.200	-11.058	-11110	-03420	-01000	-01010	.07700	-.00010	.00000
1.203	-5.670	-12120	-04550	-01000	-01010	.07570	-.00010	.00000
1.202	.048	-10100	-03420	.02300	-01010	.06690	-.03310	.00000
1.199	2.866	-12120	-04550	.00000	-01010	.07570	-.01010	.00000
1.201	5.812	-12120	-03420	.00000	-01010	.08710	-.01010	.00000
1.201	6.992	-11110	-03420	.00000	.00000	.07700	.00000	.00000
1.200	8.163	-11110	-03420	-.02000	.00000	.07700	.02000	.00000
1.198	9.315	-12120	-03420	.00000	-01010	.08710	-.01010	.00000
1.198	10.472	-10100	-04550	-.01000	-01010	.05550	-.00010	.00000
1.198	11.618	-11110	-04550	-.02000	.00000	.06560	.02000	.00000
1.200	12.761	-11110	-03420	.00000	-01010	.07700	-.01010	.00000
1.198	13.896	-11110	-03420	-.01000	.00000	.07700	.01000	.00000
1.196	15.024	-12120	-04550	-.02000	-01010	.08570	.00990	.00000
1.192	17.262	-13130	-04550	-.02000	.00000	.08580	.02000	.00000
1.192	20.910	-08080	-03420	-.01000	-01010	.04660	-.00010	.00000
GRADIENT		-.00717	-.00401	-.00816	.00000	.00312	.00816	.00000

RUN NO. 55/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LJ	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.205	-10.587	-10100	-03420	-.02000	-.02020	.06690	-.00020	.00000
1.302	-5.627	-10100	-03420	-.01000	-01010	.06690	-.00010	.00000
1.302	-.270	-10100	-04550	-.01000	-01010	.05550	-.00010	.00000
1.299	.033	-10100	-04550	.00000	.00000	.05550	.00000	.00000
1.298	2.532	-11110	-02280	-.01000	-.02020	.08830	-.01020	.00000
1.295	5.468	-10100	-03420	.00000	-01010	.06690	-.01010	.00000
1.296	6.642	-11110	-03420	.00000	-01010	.07700	-.01010	.00000
1.298	7.815	-10100	-04550	-.01000	.00000	.05550	.01000	.00000
1.297	8.974	-10100	-04550	-.02000	-01010	.05550	.00990	.00000
1.296	10.118	-09090	-03420	-.01000	-01010	.05680	-.00010	.00000
1.295	11.267	-10100	-03420	-.01000	.00000	.06690	.01000	.00000
1.294	12.431	-10100	-02280	-.02000	-01010	.07820	.00990	.00000
1.294	13.583	-11110	-04550	-.02000	-01010	.06560	.00990	.00000
1.294	14.674	-10100	-04550	-.01000	-01010	.05550	-.00010	.00000
1.290	16.895	-10100	-04550	-.02000	-.02020	.05550	-.00020	.00000
1.284	20.625	-11110	-04550	.00000	-01010	.06560	-.01010	.00000
GRADIENT		-.00377	.00848	-.00155	-.00534	.01225	-.00379	.00000

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 146/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.401	-5.029	-.07070	-.04550	.00000	-.03030	.02520	-.03030	.09340
1.402	.218	-.09090	-.04550	.00000	-.02020	.04540	-.02020	-.05100
1.401	2.828	-.09090	-.04550	.00000	-.03030	.04540	-.03030	-.05100
1.403	5.476	-.09090	-.04550	.00000	-.02020	.04540	-.02020	-.05100
1.403	6.498	-.09090	-.04550	.00000	-.02020	.04540	-.02020	-.05100
1.402	7.566	-.09090	-.04550	.00000	-.02020	.03400	-.02020	-.05100
1.402	8.523	-.09090	-.04550	-.01000	-.02020	.04540	-.01020	-.05100
1.400	9.566	-.10100	-.04550	-.02000	-.02020	.05550	-.00020	-.05100
1.401	10.620	-.09090	-.04550	.01150	-.02020	.04540	-.03170	-.05100
1.400	11.521	-.09090	-.04550	.01150	-.02020	.04540	-.03170	-.06110
	GRADIENT	-.00000	.00000	.00000	-.00387	.00000	-.00387	.00000

AMES 118-1-11 OAI45A 01

(02F016) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = -5.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 3.000

RUN NO. 278/ 0 RN/L = 2.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.896	-6.223	.02550	.03060	.03450	.01980	.00510	-.01470	.02080
.899	-2.118	.02550	.03060	.03450	.02970	.00510	-.00480	-.04080
.899	-1.069	.02550	.03060	.03450	.02970	.00510	-.00480	-.06110
.899	.067	.02550	.03060	.03450	.02970	.00510	-.00480	-.22420
.897	.492	.02550	.03060	.03450	.02970	.00510	-.00480	-.08150
.897	1.009	.02550	.03060	.03450	.02970	.00510	-.00480	-.09170
.896	2.048	.02550	.03060	.03450	.02970	.00510	-.00480	-.09170
.896	3.080	.01700	.03060	.03450	.03960	.01360	.00510	-.09170
.895	4.111	.00850	.03060	.03450	.03960	.02210	.00510	-.10190
.895	5.171	.00850	.03060	.03450	.02970	.02210	-.00480	-.20380
	GRADIENT	-.00238	.00000	.00000	.00173	.00238	.00173	-.00456

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

(02F016) (16 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = -5.000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 3.000

RUN NO. 277/ 0 RN/L = 2.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.962	-6.230	.02550	.03060	.02300	.02970	.00510	.00670	-.03060
.952	-2.128	.02550	.03060	.03450	.02970	.00510	-.00480	-.36690
.950	-1.076	.01700	.03060	.03450	.02970	.01360	-.00480	-.32610
.951	-.024	.02550	.03060	.02300	.02970	.00510	.00670	.34260
.952	.495	.02550	.03060	.02300	.02970	.00510	.00670	.22840
.951	1.009	.02550	.02040	.03450	.02970	-.00510	-.00480	-.38730
.948	2.050	.01700	.02040	.03450	.02970	.00340	-.00480	.01040
.948	3.079	.01700	.02040	.03450	.02970	.00340	-.00480	-.01020
.950	4.131	.01700	.02040	.03450	.02970	.00340	-.00480	.16310
.949	6.175	.02550	.02040	.03450	.02970	-.00510	-.00480	-.26500
	GRADIENT	-.00123	-.00217	.00053	.00000	-.00094	-.00053	.02599

(02F017) (16 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 185/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.597	-6.196	-.05050	-.04550	.00000	-.02020	.00500	-.02020	.00000
.599	-2.146	-.05050	-.04550	.00000	-.03030	.00500	-.03030	.00000
.600	-1.090	-.07070	-.03420	.00000	-.03030	.03650	-.03030	.00000
.599	-.004	-.09090	-.03420	.00000	-.03030	.05680	-.03030	.00000
.599	.542	-.06060	-.04550	.00000	-.03030	.01510	-.03030	.00000
.599	1.077	-.05050	-.04550	.00000	-.02020	.00500	-.02020	.00000
.599	2.154	-.06060	-.04550	.00000	-.03030	.01510	-.03030	.00000
.598	3.204	-.07070	-.04550	.00000	-.02020	.02520	-.02020	.00000
.599	4.243	-.08080	-.04550	.00000	-.02020	.03530	-.02020	.00000
.598	6.294	-.08080	-.04550	.00000	-.03030	.03530	-.03030	.00000
	GRADIENT	-.00209	-.00108	.00000	.00174	.00100	.00174	.00000

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

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(02F017) (16 JUL 77)

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA
ALPHA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 113/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.799	-6.207	-.08080	-.04550	-.01000	-.03030	.03530	-.02030	.08310
.798	-2.127	-.08080	-.03420	-.24000	-.03030	.04660	.20970	.05190
.798	-1.060	-.07070	-.03420	-.29000	-.02020	.03650	.26980	.04150
.798	.046	-.07070	-.03420	-.35000	-.03030	.03650	.31970	.03110
.798	.582	-.08080	-.03420	-.27000	-.02020	.04660	.24980	.02080
.798	1.118	-.08080	-.03420	-.32000	-.02020	.04660	.29980	.01040
.799	2.202	-.08080	-.04550	-.33000	-.02020	.03530	.30980	.00000
.798	3.260	-.08080	-.03420	-.11000	-.02020	.04660	.08980	-.03060
.798	4.307	-.08080	-.03420	-.09000	-.02020	.04660	.06980	-.07130
.796	6.376	-.08080	-.03420	-.35000	-.01010	.04660	.33990	-.13250
	GRADIENT	-.00096	-.00040	.02749	.00129	.00056	-.02620	-.01817

RUN NO. 101/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.900	-7.192	-.08080	-.05650	.00000	-.03030	.02390	-.03030	.12460
.902	-6.231	-.08080	-.04550	.00000	-.03030	.03530	-.03030	.10380
.902	-2.116	-.08080	-.05690	.00000	-.04040	.02390	-.04040	.04150
.902	-1.047	-.08080	-.04550	.00000	-.03030	.03530	-.03030	.03110
.902	.014	-.07070	-.05690	.00000	-.03030	.01380	-.03030	.00000
.902	.588	-.09090	-.05690	.00000	-.02020	.03400	-.02020	.00000
.901	1.124	-.08080	-.04550	.00000	-.02020	.03530	-.02020	.00000
.900	2.209	-.09090	-.04550	.00000	-.02020	.04540	-.02020	.00000
.902	3.266	-.09090	-.05690	.00000	-.02020	.03400	-.02020	-.02040
.900	4.314	-.09090	-.04550	.00000	-.02020	.04540	-.02020	-.04080
.899	6.386	-.09090	-.04550	.00000	-.04040	.04540	-.04040	-.07130
.899	7.418	-.10100	-.05690	.00000	-.09090	.04410	-.09090	-.09170
	GRADIENT	-.00224	.00085	.00000	.00292	.00309	.00292	-.01149

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

PAGE 1296

(02F017) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPOBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 125/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.951	-6.164	-.09090	-.04550	-.04000	-.02020	.04540	.01980	.00000
.952	-1.988	-.09090	-.04550	-.04000	-.02020	.04540	.01980	.00000
.951	-.913	-.09090	-.05690	-.04000	-.02020	.03400	.01980	.00000
.951	.159	-.09090	-.04550	-.04000	-.01010	.04540	.02990	.00000
.951	.684	-.09090	-.05690	-.04000	-.01010	.03400	.02990	.00000
.951	1.216	-.09090	-.05690	-.04000	-.01010	.04410	.02990	.00000
.950	2.285	-.10100	-.05690	-.04000	.00000	.04540	.04000	.00000
.951	3.325	-.09090	-.04550	-.04000	-.02020	.03400	.01980	.00000
.951	4.365	-.09090	-.05690	-.04000	-.02020	.04540	.01980	.00000
.948	6.402	-.09090	-.04550	-.04000	-.02020	.04540	.01980	.00000
GRADIENT		-.00036	-.00069	.00000	.00132	-.00033	.00132	.00000

RUN NO. 162/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.200	-6.282	-.08080	-.02280	-.02000	-.01010	.05800	.00990	-.20380
1.203	-2.166	-.08080	-.02280	-.02000	-.02020	.05800	.00020	-.32610
1.200	-1.096	-.08080	-.02280	-.02000	-.02020	.05800	.00020	-.36690
1.201	.014	-.08080	-.02280	-.02000	-.02020	.05800	.00020	-.39750
1.200	.550	-.08080	-.02280	-.02000	-.02020	.05800	.00020	.19730
1.199	1.095	-.08080	-.02280	-.02000	-.02020	.05800	.00020	.09340
1.198	2.177	-.08080	-.02280	-.02000	-.02020	.05800	.00020	.06230
1.198	3.241	-.07070	-.03420	-.02000	-.02020	.03650	.00020	.01040
1.199	4.291	-.08080	-.03420	-.02000	-.02020	.04660	.00020	.00000
1.199	6.373	-.08080	-.03420	-.02000	-.02020	.04660	.00020	-.04080
GRADIENT		.00069	-.00191	.00000	.00000	-.00260	.00000	.06760

RUN NO. 133/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.295	-6.261	-.07070	-.05690	-.02000	-.02020	.01380	.00020	.05190
1.301	-2.146	-.07070	-.05690	-.02000	-.02020	.01380	.00020	.03110
1.295	-1.074	-.07070	-.05690	-.03000	-.02020	.01380	.00980	.03110
1.296	.039	-.07070	-.05690	-.03000	-.02020	.01380	.00980	.02080
1.297	.579	-.07070	-.05690	-.02000	-.02020	.01380	.00020	.01040
1.298	1.118	-.07070	-.05690	-.02000	-.02020	.01380	.00020	.01040
1.296	2.208	-.07070	-.05690	-.03000	-.01010	.01380	.01990	.00000
1.296	3.274	-.07070	-.05690	-.03000	-.01010	.01380	.01990	.00000
1.297	4.332	-.07070	-.05690	-.03000	-.02020	.01380	.00980	-.01020
1.297	6.408	-.07070	-.05690	-.03000	-.02020	.01380	.00980	-.05100
GRADIENT		-.00000	-.00000	-.00108	.00104	.00000	.00212	-.00676

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(D2F017) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

ALPHA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPOBRK = 25.000 RUDDER = .000
RN/L = 5.000

PARAMETRIC DATA

RUN NO. 152/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.398	-6.323	-.08080	-.03420	-.01000	-.02020	.04560	-.01020	-.04080
1.406	-2.187	-.09090	-.03420	-.01000	-.01010	.05680	-.00010	-.16310
1.405	-1.111	-.08080	-.03420	-.01000	-.01010	.04560	-.00010	-.16310
1.404	.008	-.08080	-.03420	-.01000	-.01010	.04560	-.00010	-.17330
1.403	.551	-.08080	-.03420	-.01000	-.01010	.04560	-.00010	-.17330
1.402	1.093	-.08080	-.03420	-.02000	-.01010	.04560	.00990	-.17330
1.400	2.193	-.08080	-.03420	-.01000	-.01010	.04560	-.00010	-.08150
1.400	3.261	-.08080	-.03420	-.02000	-.01010	.04560	.00990	-.06110
1.400	4.318	-.08080	-.03420	-.01000	-.01010	.04560	-.00010	-.03060
1.397	6.416	-.08080	-.03420	-.02000	-.01010	.04560	.00990	-.03060
	GRADIENT	.00097	-.00000	-.00070	-.00000	-.00098	.00070	.02329

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPOBRK = 25.000 RUDDER = .000
RN/L = 5.000

PARAMETRIC DATA

RUN NO. 186/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.598	-6.033	-.09090	-.04550	.00000	-.03030	.04540	-.03030	.00000
.599	-1.887	-.09090	-.04550	.00000	-.03030	.04540	-.03030	.00000
.598	-.865	-.05050	-.04550	.00000	-.03030	.00500	-.03030	.00000
.599	.086	-.05050	-.04550	.00000	-.03030	.00500	-.03030	.00000
.599	.559	-.06060	-.04550	.00000	-.03030	.01510	-.03030	.00000
.599	1.066	-.06060	-.04550	.00000	-.02020	.01510	-.02020	.00000
.599	2.135	-.05050	-.04550	.00000	-.03030	.00500	-.03030	.00000
.600	3.191	-.05050	-.04550	.00000	-.02020	.00500	-.02020	.00000
.599	4.263	-.06060	-.04550	.00000	-.02020	.01510	-.02020	.00000
.599	6.350	-.06060	-.04550	-.01000	-.02020	.01510	-.01020	.00000
	GRADIENT	.00312	-.00000	.00000	.00182	-.00312	.00182	.00000

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(D2F018) (16 JUL 77)

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

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(02F018) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 114/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.798	-6.048	-.08080	-.04550	-.10000	-.02020	.03530	.07980	.08310
.797	-1.851	-.08080	-.03420	-.11000	-.02020	.04660	.08980	.04150
.799	-.778	-.08080	-.04550	-.10000	-.01010	.03530	.08990	.03110
.798	.076	-.08080	-.04550	-.10000	-.02020	.03530	.07980	.00000
.797	.451	-.08080	-.04550	-.09000	-.02020	.03530	.06980	.00000
.798	.976	-.08080	-.04550	-.08000	-.03030	.03530	.04970	.00000
.799	2.072	-.08080	-.04550	-.08000	-.02020	.03530	.05980	-.01020
.798	3.141	-.08080	-.04550	-.07000	-.02020	.03530	.04980	-.04080
.798	4.196	-.08080	-.04550	-.07000	-.03030	.03530	.03970	-.07130
.798	6.262	-.08080	-.04550	-.07000	-.02020	.03530	.04980	-.12230
	GRADIENT	-.00000	-.00115	.00707	-.00175	-.00115	-.00882	-.01755

RUN NO. 97/ 0 RN/L = 4.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.901	-7.097	-.10100	-.02280	-.01000	-.02020	.07820	-.01020	.00000
.901	-6.090	-.10100	-.03420	-.01000	-.03030	.06590	-.02030	.00000
.901	-1.869	-.11110	-.02280	-.01000	-.02020	.08830	-.01020	.00000
.901	-.807	-.11110	-.03420	-.03000	-.02020	.07700	.00980	.00000
.900	.076	-.09090	-.02280	-.03000	-.02020	.06810	.00980	.00000
.900	.485	-.08080	-.02280	-.01000	-.02020	.05800	-.01020	.00000
.901	.988	-.08080	-.02280	.00000	-.01010	.05800	-.01010	.00000
.899	2.083	-.08080	-.02280	.00000	-.01010	.05800	-.01010	.00000
.903	3.156	-.09090	-.01140	.00000	-.02020	.07950	-.02020	.00000
.898	4.212	-.08080	-.02280	.00000	-.02020	.05800	.02020	.00000
.901	6.279	-.08080	-.02280	.00000	-.02020	.05800	-.02020	.00000
.901	7.317	-.09090	-.02280	-.01000	-.02020	.06810	-.01020	.00000
.902	GRADIENT	.00461	.00157	.00414	.00035	-.00304	-.00379	.00000

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(02F018) (16 JUL 77)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN. XO	ALPHA	=	5.000	ELEVON	=	.000
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. YO	AILRON	=	.000	BOFLAP	=	.000
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. ZO	SPOBRK	=	25.000	RUDDER	=	.000
SCALE	=	.0500						RN/L	=	5.000			

PARAMETRIC DATA

RUN NO.	432/ 0	RN/L =	5.02	GRADIENT INTERVAL =	-5.00/	5.00
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MACH	BETA	ELV-LO	ELV-L1	ELV-RO	ELV-R1	DELL	DELR	DRHL
1.100	-6.205	.0000	.01020	.01150	.02970	.01020	.01820	-.11710
1.101	-2.066	.0000	.01020	.00000	.02970	.01020	.02970	-.11710
1.101	-	.00000	.01020	.01150	.02970	.01020	.01820	-.11710
1.102	.019	.00000	.01020	.01150	.02970	.01020	.01820	-.12540
1.102	.042	.00000	.01020	.01150	.02970	.01020	.01820	-.12540
1.100	.561	.00000	.01020	.00000	.02970	.01020	.02970	-.13360
1.100	1.032	.00000	.01020	.00000	.02970	.01020	.02970	-.13360
1.101	2.139	.00000	.01020	.01150	.02970	.01020	.01820	-.12540
1.100	3.176	.00850	.01020	.01150	.02970	.01020	.01820	-.13360
1.101	4.219	.00000	.01020	.00000	.02970	.01020	.02970	-.11710
1.100	6.313	.00850	.01020	.00000	.02970	.01020	.01820	-.15000
1.100	GRADIENT	.00059	.00000	-.00007	.00000	-.00059	.00007	-.00110

RUN NO.	163/ 0	RN/L =	5.02	GRADIENT	INTERVAL =	-5.00/	5.00
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MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.201	-6.143	-.08092	-.02280	-.02000	-.02020	.05800	-.00020	.29070
1.201	-1.971	-.08080	.03420	.02000	.02020	.04660	-.00020	.29070
1.199	-.924	-.08080	-.03420	-.02000	-.02020	.04660	-.00020	.28030
1.200	.136	-.08080	.03420	.02000	.02020	.04660	-.00020	.25960
1.201	.645	-.08080	.02280	.02000	.02020	.05800	-.00020	.22840
1.200	1.181	-.08080	.02280	.02000	.02020	.03800	-.00020	.20770
1.199	2.242	-.08080	.03420	.02000	.02020	.04660	-.00020	-.07130
1.200	3.296	-.07070	.03420	.02000	.02020	.03420	-.00020	-.10190
1.197	4.341	-.07070	.03420	.02000	.02020	.03650	-.00020	-.11210
1.198	6.419	-.08080	.03420	.02000	.02020	.04660	-.00020	-.15290
	GRADIENT	.00174	-.00015	-.00000	-.00000	-.00189	-.00000	-.07936

RUN NO.	134/ 0	RN/L =	4.96	GRADIENT INTERVAL =	-5.00/	5.00
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MACH	BE ^a	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.298	-6.125	-.0808	-.06830	-.02000	-.01010	.01250	.00990	.07270
1.302	-1.969	-.07070	-.05690	-.03000	-.01010	.01380	.01990	.07270
1.302	-.919	-.06060	-.05690	-.02000	.02020	.00370	-.00020	.06230
1.301	.133	-.07070	-.05690	-.03000	-.02020	.01380	.00980	.05190
1.301	.642	-.07070	-.05690	-.03000	.02020	.01380	.00980	.03110
1.300	1.209	-.07070	-.05690	-.03000	-.02020	.01380	.00980	.04150
1.300	2.280	-.07070	-.05690	-.03000	.02020	.01380	.00980	.02080
1.300	3.341	-.07070	-.05690	-.03000	-.02020	.01380	.00980	.00000
1.300	4.409	-.07070	-.05690	-.03000	.02020	.01380	.00980	.01020
1.299	6.468	-.07070	-.04550	-.03000	.02020	.02620	.00980	-.04080
	GRADIENT	-.00065	-.00000	-.00055	-.00098	.00065	-.00034	-.01343

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REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 153/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.399	-6.136	-.08080	-.03420	-.01000	-.02020	.04660	-.01020	.24920
1.405	-1.979	-.07070	-.03420	-.02000	-.01010	.03650	.00990	.09340
1.404	-.928	-.08080	-.03420	-.01000	-.01010	.04660	-.00010	.06230
1.403	.014	-.08080	-.03420	-.01000	-.01010	.04660	-.00010	.03110
1.402	.578	-.08080	-.03420	-.01000	-.01010	.04660	-.00010	.02080
1.401	1.100	-.08080	-.03420	-.01000	-.01010	.04660	-.00010	.02080
1.401	2.185	-.08080	-.03420	-.01000	-.01010	.04660	-.01020	.00000
1.400	3.270	-.08080	-.03420	-.02000	-.02020	.04660	-.00020	.00000
1.401	4.335	-.08080	-.03420	-.02000	-.02020	.04790	.00990	-.05100
1.399	6.452	-.07070	-.02280	-.02000	-.01010	.00998	-.00169	-.01367
	GRADIENT	-.00098	-.00000	-.00007	-.00176			

AMES 118-1-11 0A145A 01(-TO+)

(02F019) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 179/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.902	-6.095	-.10100	-.04550	-.01000	-.03030	.05550	-.02030	.00000
.801	-1.888	-.10100	-.04550	-.01000	-.02020	.05550	-.01020	-.03060
.902	-.814	-.10100	-.04550	-.01000	-.02020	.05550	-.01020	-.04080
.900	.042	-.10100	-.04550	-.02000	-.02020	.05550	-.00020	-.05100
.901	.427	-.10100	-.04550	-.01000	-.02020	.05550	-.01020	-.06110
.901	.959	-.10100	-.04550	-.01000	-.02020	.05550	-.01020	-.06150
.901	2.047	-.10100	-.04550	-.01000	-.02020	.05550	-.01020	-.09170
.901	3.126	-.10100	-.04550	-.01000	-.02020	.05550	-.01020	-.11210
.901	4.183	-.10100	-.05690	-.01000	-.02020	.04410	-.01020	-.15290
.899	6.250	-.10100	-.03420	-.01000	-.02020	.06690	-.01020	-.15290
	GRADIENT	-.00000	-.00126	.00034	-.00000	-.00126	-.00034	-.01335

(02F019) (16 JUL 77)

AMES 118-1-11 OAI45A 01(+TO+)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPOBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 123/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.951	-6.091	-.07070	-.04550	-.07000	-.01010	.02520	.05990	.00000
.951	-4.034	-.07070	-.05690	-.05000	-.01010	.01380	.03990	.00000
.951	-3.010	-.07070	-.04550	-.06000	-.01010	.02520	.04990	.00000
.950	-1.961	-.07070	-.04550	-.07000	-.01010	.02520	.05990	.00000
.951	-.899	-.07070	-.05690	-.07000	-.01010	.01380	.05990	.00000
.951	.131	-.07070	-.04550	-.07000	-.01010	.02520	.05990	.00000
.951	.654	-.07070	-.05690	-.08000	-.02020	.01380	.05980	.00000
.951	1.175	-.07070	-.05690	-.06000	-.02020	.01380	.03980	.00000
.951	2.264	-.06060	-.04550	-.06000	-.02020	.01510	.03980	.00000
.951	3.326	-.06060	-.05690	-.08000	-.01010	.00370	.06990	.00000
.951	4.372	-.07070	-.04550	-.07000	-.01010	.02520	.05990	.00000
.949	6.451	-.07070	-.04550	-.07000	-.02020	.02520	.04980	.00000
	GRADIENT	.00079	.00013	-.00183	-.00053	-.00065	.00130	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPOBRK = 25.000 RUDDER = .000
RN/L = 5.000

(02F020) (16 JUL 77)

AMES 118-1-11 OAI45A 01(+TO+)

RUN NO. 180/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.900	-6.091	-.11110	-.04550	-.01000	-.02020	.06560	-.01020	.00000
.901	-3.997	-.11110	-.04550	-.01000	-.03030	.06560	-.02030	-.02040
.902	-2.930	-.10100	-.04550	-.01000	-.02020	.05550	-.01020	-.04080
.900	-1.856	-.10100	-.03420	-.01000	-.03030	.06690	-.02030	-.05100
.903	-.796	-.10100	-.04550	-.01000	-.02020	.05550	-.01020	-.07130
.902	.052	-.10100	-.04550	-.01000	-.02020	.05550	-.01020	-.07130
.904	.486	-.10100	-.04550	-.01000	-.02020	.05550	-.01020	-.08150
.901	1.020	-.10100	-.04550	-.01000	-.02020	.05550	-.01020	-.08150
.901	2.102	-.09090	-.04550	-.01000	-.02020	.04540	-.01020	-.09170
.903	3.175	-.10100	-.04550	-.01000	-.02020	.05550	-.01020	-.10190
.901	4.226	-.10100	-.04550	-.01000	-.03030	.05550	-.02030	-.12230
	GRADIENT	.00099	-.00036	-.00000	.00034	-.00136	.00034	-.01125

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(02F020) (16 JUL 77)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN. X0	ALPHA	=	5.000	ELEVON	=	.000
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. Y0	ATLRON	=	.000	BOFLAP	=	.000
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. Z0	SPDBRK	=	25.000	RUDDER	=	.000
SCALE	=	.0500						RN/L	=	5.000			

PARAMETRIC DATA

RUN NO.	124/ 0	RN/L	4.98	GRADIENT	INTERVAL	-5.00/	5.00/
BETA							
-6.061	-0.080	-0.450	-0.050	-0.010	DELL		
-3.970	-0.100	-0.450	-0.050	-0.010		-0.3530	
-2.940	-0.080	-0.450	-0.050	-0.010		-0.3530	
-1.893	-0.080	-0.450	-0.050	-0.010		-0.3530	
-0.891	-0.080	-0.450	-0.050	-0.020		-0.3530	
0.156	-0.080	-0.450	-0.050	-0.010		-0.3530	
0.689	-0.080	-0.450	-0.050	-0.010		-0.3530	
1.226	-0.080	-0.450	-0.050	-0.010		-0.3530	
2.307	-0.080	-0.450	-0.050	-0.010		-0.3530	
3.368	-0.080	-0.450	-0.050	-0.020		-0.3530	
4.417	-0.080	-0.450	-0.050	-0.020		-0.3530	
5.448	-0.080	-0.450	-0.050	-0.020		-0.3530	
6.448	-0.080	-0.450	-0.050	-0.020		-0.3530	
7.448	-0.080	-0.450	-0.050	-0.020		-0.3530	
8.448	-0.080	-0.450	-0.050	-0.020		-0.3530	
9.448	-0.080	-0.450	-0.050	-0.020		-0.3530	
10.448	-0.080	-0.450	-0.050	-0.020		-0.3530	
11.448	-0.080	-0.450	-0.050	-0.020		-0.3530	
12.448	-0.080	-0.450	-0.050	-0.020		-0.3530	
13.448	-0.080	-0.450	-0.050	-0.020		-0.3530	
14.448	-0.080	-0.450	-0.050	-0.020		-0.3530	
15.448	-0.080	-0.450	-0.050	-0.020		-0.3530	
16.448	-0.080	-0.450	-0.050	-0.020		-0.3530	
17.448	-0.080	-0.450	-0.050	-0.020		-0.3530	
18.448	-0.080	-0.450	-0.050	-0.020		-0.3530	
19.448	-0.080	-0.450	-0.050	-0.020		-0.3530	
20.448	-0.080	-0.450	-0.050	-0.020		-0.3530	
21.448	-0.080	-0.450	-0.050	-0.020		-0.3530	
22.448	-0.080	-0.450	-0.050	-0.020		-0.3530	
23.448	-0.080	-0.450	-0.050	-0.020		-0.3530	
24.448	-0.080	-0.450	-0.050	-0.020		-0.3530	
25.448	-0.080	-0.450	-0.050	-0.020		-0.3530	
26.448	-0.080	-0.450	-0.050	-0.020		-0.3530	
27.448	-0.080	-0.450	-0.050	-0.020		-0.3530	
28.448	-0.080	-0.450	-0.050	-0.020		-0.3530	
29.448	-0.080	-0.450	-0.050	-0.020		-0.3530	
30.448	-0.080	-0.450	-0.050	-0.020		-0.3530	
31.448	-0.080	-0.450	-0.050	-0.020		-0.3530	
32.448	-0.080	-0.450	-0.050	-0.020		-0.3530	
33.448	-0.080	-0.450	-0.050	-0.020		-0.3530	
34.448	-0.080	-0.450	-0.050	-0.020		-0.3530	
35.448	-0.080	-0.450	-0.050	-0.020		-0.3530	
36.448	-0.080	-0.450	-0.050	-0.020		-0.3530	
37.448	-0.080	-0.450	-0.050	-0.020		-0.3530	
38.448	-0.080	-0.450	-0.050	-0.020		-0.3530	
39.448	-0.080	-0.450	-0.050	-0.020		-0.3530	
40.448	-0.080	-0.450	-0.050	-0.020			

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN.	XO	=	ALPHA	=	5.000	ELEVON	=	.000
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN.	YO	=	TILRON	=	.000	BDFLAP	=	.000
BREF	=	936.6800	INCHES	ZMRP	=		IN.	ZO	=	SPOBRK	=	25.000	RUDDER	=	.000
SCALE	=	.0500								RN/L	=	3.000			

PARAMETRIC DATA

RUN NO.	270/ 0	RN/L	GRADIENT INTERVAL =			-5.00/	5.00	
BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL	
-5.994	.03400	.02040	.00000	.01980	-.01360	.01980	.00000	
-1.969	.03400	.02040	.00000	.02970	-.01360	.02970	-.03060	
-.962	.03400	.02040	.01150	.01980	-.01360	.00830	-.09170	
.083	.03400	.02040	.01150	.02970	-.01360	.01820	-.10190	
.584	.03400	.02040	.01150	.02970	-.01360	.01820	-.11210	
1.070	.03400	.03060	.01150	.01980	-.00340	.00830	-.10190	
2.072	.03400	.02040	.01150	.01980	-.01360	.00830	-.09170	
3.079	.03400	.03060	.00000	.02970	-.00340	.02970	-.09170	
4.092	.03400	.03060	.01150	.02970	-.00340	.01820	-.09170	
6.136	.03400	.02040	.00000	.01980	-.01360	.01980	-.10190	
GRADIENT	.00000	.00186	.00036	.00029	.00186	-.00007	-.00573	

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REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN. X0	ALPHA	=	5.000	ELEVON	=	.000
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. Y0	AIRON	=	.000	BDFLAP	=	.000
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. Z0	SPDBRK	=	25.000	RUDDER	=	.000
SCALE	=	.0500						RN/1	=	3.000			

PARAMETRIC DATA

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.802	-5.999	.02550	.02040	.00000	.01980	-.00510	.01980	.00000
.801	-1.979	.02550	.02040	.01150	.02970	-.00510	.01820	-.04080
.802	-.982	.02550	.02040	.01150	.02970	-.00510	.01820	-.01020
.802	.088	.02550	.02040	.01150	.01980	-.00510	.00830	.05100
.802	.607	.02550	.02040	.01150	.01980	-.00510	.00830	.05100
.801	1.084	.02550	.02040	.01150	.01980	-.00510	.00830	.17330
.801	2.083	.02550	.02040	.01150	.01980	-.00510	.00830	.15340
.799	3.094	.01700	.02040	.01150	.01980	.00340	.00830	.18340
.802	4.112	.00850	.02040	.01150	.01980	.01190	.00830	.20380
.799	6.163	.00850	.02040	.01150	.01980	.01190	.00830	.22420
	GRADIENT	-.00243	.00000	.00000	-.00170	.00243	-.00170	-.03485

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-R1	DELL	DELR	DRHL
.897	-6.030	.01700	.03060	.02300	.02970	.01360	.00670	.23880
.898	-1.885	.00850	.03060	.02300	.02970	.02210	.00670	-.06110
.899	-.840	.01700	.03060	.03450	.02970	.01360	-.00480	-.16310
.898	.030	.01700	.03060	.02300	.02970	.01360	.00670	-.17330
.897	.428	.01700	.03060	.03450	.02970	.01360	-.00480	-.05100
.895	.936	.01700	.03060	.03450	.03960	.01360	.00510	.00000
.897	2.014	.01700	.03060	.03450	.03960	.01360	.00510	-.02040
.898	3.073	.00850	.03060	.03450	.03960	.02210	.00510	-.02040
.897	4.110	.00850	.03060	.03450	.03960	.0210	.00510	-.06110
.893	6.162	.01700	.03060	.02300	.02970	.01360	.00670	-.24460
GRADIENT	- .00071	-.00071	.00000	.00157	.00219	.00071	.00062	-.01470

MACH	BETA	ELV-L0	ELV-L1	ELV-R0	ELV-R1	DELL	DELR	DRHL
.947	-6.034	.00850	.03060	.04590	.02970	.02210	-.01620	.30110
.948	-1.886	.00850	.03060	.04590	.02970	.02210	-.01620	.12460
.948	-.839	.00850	.03060	.04590	.02970	.02210	-.01620	.07270
.947	.028	.00850	.03060	.04590	.02970	.02210	-.01620	.01040
.947	.426	.00850	.03060	.04590	.02970	.02210	-.01620	-.03060
.946	.934	.00850	.03060	.04590	.02970	.02210	-.01620	-.05100
.947	2.021	.00850	.03060	.04590	.02970	.02210	-.01620	-.08150
.945	3.080	.00850	.03060	.04590	.02970	.02210	-.01620	-.09170
.946	4.114	.00850	.03060	.04590	.02970	.02210	-.01620	-.14270
.947	6.197	.00850	.03060	.04590	.02970	.02210	-.01620	-.31590
	GRADIENT	.00000	.00000	.00000	.00000	.00000	-.00000	-.04290

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OAI45 TABULATED FORCE DATA

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REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPBRK = 25.000 RUDDER = .000
 RN/L = 9.000

RUN NO. 336/ 0 RN/L = 6.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.597	-6.091	.01700	.02040	.03450	.01980	.00340	-.01470	-.01020
.597	-1.921	.01700	.02040	.03450	.01980	.00340	-.01470	-.37710
.597	-.853	.01700	.02040	.03450	.01980	.00340	-.01470	-.54010
.597	.048	.01700	.02040	.03450	.01980	.00340	-.01470	-.62170
.597	.443	.01700	.02040	.03450	.01980	.00340	-.01470	-.08150
.597	.987	.01700	.02040	.03450	.01980	.00340	-.01470	-.03110
.597	2.081	.01700	.02040	.03450	.01980	.00340	-.01470	-.01020
.597	3.141	.01700	.02040	.03450	.01980	.00340	-.01470	.00000
.596	5.220	.01700	.02040	.03450	.01980	.00340	-.01470	.02080
.596	6.258	.01700	.02040	.03450	.01980	.00340	-.01470	.00000
	GRADIENT	-.00000	.00000	.00000	.00000	.00000	-.00000	.11519

RUN NO. 339/ 0 RN/L = 7.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.800	-6.205	.02550	.03060	.02300	.00990	.00510	-.01310	-.76440
.800	-1.966	.02550	.03060	.02300	.00990	.00510	-.00320	-.24460
.800	-.874	.02550	.03060	.02300	.00990	.00510	-.00320	-.57070
.800	.044	.02550	.03060	.02300	.00990	.00510	-.00320	.04150
.800	.456	.02550	.03060	.02300	.00990	.00510	-.00320	.08310
.799	1.021	.02550	.03060	.02300	.00990	.00510	-.00320	-.12230
.799	2.132	.00850	.03060	.02300	.00990	.01360	-.00320	-.13250
.799	3.204	.01700	.03060	.02300	.00990	.01360	-.00320	-.15290
.799	4.263	.00850	.03060	.02300	.00990	.01360	-.00320	.09340
.798	6.380	.01700	.03060	.02300	.00990	.01360	-.00320	-.02040
	GRADIENT	-.00304	.00000	.00000	.00000	.00304	-.00000	.05152

RUN NO. 383/ 0 RN/L = 8.70 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.901	-6.290	.00850	.01020	.01150	.01980	.00170	.00830	-.03060
.900	-2.099	.00850	.01020	.01150	.01980	.00170	.00830	.36340
.899	-1.041	.00850	.01020	.01150	.01980	.00170	.00830	-.27520
.899	.024	.00850	.01020	.01150	.01980	.00170	.00830	-.66240
.900	.679	.01700	.01020	.01150	.01980	.00680	.00830	-.35670
.898	1.217	.00850	.01020	.01150	.01980	.00170	.00830	-.19360
.899	2.240	.00850	.01020	.01150	.01980	.00170	.00830	-.31590
.897	3.292	.00850	.01020	.01150	.01980	.00170	.00830	-.26500
.898	4.360	.00850	.01020	.01150	.01980	.00170	.00830	-.12230
.897	6.503	.00850	.01020	.01150	.01980	.00170	.00830	.20770
	GRADIENT	-.00010	.00000	-.00000	-.00000	.00010	.00000	-.03349

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REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 9.000

RUN NO. 341/ 0 RN/L = 8.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.954	-6.299	.01700	.02040	.01150	.01980	.00340	.00830	.55030
.952	-2.041	.01700	.01020	.01150	.01980	-.00680	.00830	-.28540
.952	-.951	.02550	.01020	.01150	.01980	-.01530	.00830	.00000
.952	.155	.02550	.01020	.01150	.01980	-.01530	.00830	.01040
.953	.669	.02550	.01020	.01150	.01980	-.01530	.00830	.02080
.952	1.230	.02550	.01020	.01150	.01980	-.01530	.00830	.01040
.951	2.331	.02550	.01020	.01150	.01980	-.01530	.00830	-.03060
.951	3.408	.02550	.01020	.01150	.01980	-.01530	.00830	-.17330
.951	4.484	.02550	.01020	.01150	.01980	-.01530	.00830	-.18340
.951	6.620	.02550	.01020	.01150	.01980	-.01530	.00830	-.57110
	GRADIENT	.00081	.00000	.00000	.00000	-.00081	.00000	-.00422

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

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RUN NO. 187/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.600	-6.003	-.07070	-.04550	.00000	-.03030	.02520	-.03030	.00000
.600	-1.940	-.07070	-.04550	.00000	-.03030	.02520	-.03030	.00000
.600	-.918	-.07070	-.04550	.00000	-.03030	.02520	-.03030	.00000
.598	.099	-.08080	-.04550	.00000	-.03030	.03530	-.03030	.00000
.600	.615	-.08080	-.04550	.00000	-.02020	.03530	-.02020	.00000
.599	1.133	-.06060	-.04550	.00000	-.03030	.01510	-.03030	.00000
.600	2.162	-.06060	-.04550	.01150	-.03030	.01510	-.04180	.00000
.598	3.201	-.06060	-.04550	.01150	-.03030	.01510	-.04180	.00000
.600	4.239	-.06060	-.04550	.00000	-.03030	.01510	-.03030	.00000
.600	6.328	-.06060	-.04550	.00000	-.03030	.01510	-.03030	.00000
	GRADIENT	.00266	-.00000	.00123	-.00015	-.00266	-.00139	.00000

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REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 10.000 ELEVON = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YO AILRON = .000 BDFLAP = .000
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPDRK = 25.000 RUDDER = .000
SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 115/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.799	-5.998	-.08080	-.03420	-.07000	-.03030	.04660	.03970	.11420
.797	-1.892	-.08080	-.03420	-.07000	-.02020	.04660	.04980	.03110
.799	-.886	-.08080	-.03420	-.07000	-.03030	.04660	.03970	.02080
.798	.124	-.08080	-.04550	-.07000	-.03030	.03530	.03970	.00000
.799	.614	-.08080	-.04550	-.07000	-.02020	.03530	.04980	.00000
.797	1.106	-.08080	-.03420	-.08000	-.02020	.04660	.05980	.00000
.797	2.124	-.08080	-.04550	-.08000	-.02020	.03530	.05980	-.01020
.799	3.144	-.08080	-.04550	-.07000	-.02020	.03530	.04980	-.03060
.799	4.187	-.08080	-.04550	-.08000	-.02020	.03530	.05980	-.06110
.797	6.268	-.08080	-.04550	-.08000	-.02020	.03530	.05980	-.07130
GRADIENT		-.00000	-.00191	-.00146	.00101	-.00191	.00248	-.01379

RUN NO. 173/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.901	-6.069	-.08080	-.03420	-.02000	-.02020	.04660	.00020	.00000
.902	-1.939	-.08080	-.04550	-.02000	-.02020	.03530	.00020	-.12230
.901	-.923	-.09090	-.04550	-.02000	-.02020	.04540	.00020	-.15290
.901	.098	-.09090	-.04550	-.02000	-.02020	.04540	.00020	-.11210
.903	.590	-.10100	-.03420	-.01000	-.02020	.06690	.01020	-.07130
.900	1.085	-.10100	-.04550	-.03000	-.02020	.05550	.00980	-.10190
.901	2.106	-.10100	-.04550	-.02000	-.02020	.05550	.00980	-.11210
.902	3.131	-.10100	-.04550	-.02000	-.02020	.05550	.00020	-.14270
.901	4.175	-.11110	-.04550	-.02000	-.02020	.05560	.00020	-.18340
.899	6.260	-.10100	-.04550	-.02000	-.02020	.05550	.00020	-.24460
GRADIENT		-.00416	-.00017	-.00054	-.00000	.00398	.00054	-.00669

RUN NO. 126/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.950	-6.057	-.09090	-.05690	-.08000	-.01010	.03400	.06990	.00000
.950	-1.908	-.09090	-.05690	-.08000	-.01010	.03400	.06990	.00000
.951	-.892	-.10100	-.04550	-.09000	-.02020	.05350	.06980	.00000
.952	.155	-.08080	-.05690	-.09000	-.01010	.02390	.07990	.00000
.950	.662	-.09080	-.04550	-.07000	-.01010	.03530	.05990	.00000
.951	1.190	-.08080	-.05690	-.07000	-.02020	.02390	.04980	.00000
.950	2.235	-.08080	-.05690	-.07000	-.02020	.02390	.04980	.00000
.950	3.295	-.08080	-.05690	-.07000	-.01010	.02390	.05990	.00000
.951	4.341	-.06080	-.05690	-.06000	-.01010	.02390	.04990	.00000
.951	6.451	-.08080	-.05690	-.06000	-.01010	.02390	.04990	.00000
GRADIENT		.00233	-.00093	.00399	.00029	-.00326	-.00371	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 10.000 ELEVON = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YO AIRLON = .000 BDFLAP = .000
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPDBRK = 25.000 RUDDER = .000
SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 164/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00									
MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL	
1.199	-6.086	-0.0800	-0.3420	-0.0200	-0.0100	0.4660	0.0990	-0.20380	
1.202	-1.958	-0.0800	-0.3420	-0.0200	-0.0200	0.4660	-0.0020	-0.23440	
1.200	-0.941	-0.0900	-0.3420	-0.0200	-0.0200	0.5680	-0.0020	-0.04080	
1.199	0.086	-0.0800	-0.3420	-0.0200	-0.0200	0.4660	-0.0020	-0.05100	
1.197	0.581	-0.0800	-0.3420	-0.0200	-0.0200	0.4660	-0.0020	-0.07130	
1.197	1.077	-0.0900	-0.3420	-0.0200	-0.0200	0.5680	-0.0020	-0.07130	
1.200	2.105	-0.0900	-0.3420	-0.0200	-0.0200	0.6810	-0.0020	-0.08150	
1.200	3.133	-0.0800	-0.3420	-0.0200	-0.0200	0.4660	-0.0020	-0.09170	
1.199	4.184	-0.0800	-0.3420	-0.0200	-0.0200	0.4660	-0.0020	-0.10190	
1.196	6.277	-0.0800	-0.3420	-0.0200	-0.0200	0.5800	-0.0020	-0.12230	
	GRADIENT	0.0029	0.0042	-0.0000	-0.0000	0.0011	-0.0000	0.00877	

RUN NO. 135/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00									
MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL	
1.297	-6.075	-0.0700	-0.5690	-0.0200	-0.0200	0.1380	-0.0020	0.09340	
1.303	-1.927	-0.0700	-0.5690	-0.0200	-0.0200	0.1380	-0.0020	0.07270	
1.302	-0.912	-0.0700	-0.4550	-0.0200	-0.0200	0.2520	-0.0020	0.07270	
1.299	0.113	-0.0700	-0.5690	-0.0200	-0.0200	0.1380	-0.0020	0.05190	
1.298	0.599	-0.0700	-0.5690	-0.0200	-0.0300	0.1380	-0.0100	0.06230	
1.298	1.106	-0.0600	-0.6830	-0.0300	-0.0200	0.0770	-0.0980	0.06230	
1.298	2.138	-0.0700	-0.5690	-0.0200	-0.0200	0.1380	-0.0020	0.05190	
1.297	3.176	-0.0700	-0.5690	-0.0200	-0.0200	0.1380	-0.0020	0.01040	
1.296	4.223	-0.0600	-0.5690	-0.0200	-0.0200	0.0370	-0.0020	0.00000	
1.294	6.320	-0.0700	-0.5690	-0.0200	-0.0200	0.1380	-0.0020	-0.03060	
	GRADIENT	0.0109	0.0078	-0.0001	0.0016	-0.0187	0.0017	-0.01215	

RUN NO. 156/ 0 RN/L = 5.09 GRADIENT INTERVAL = -5.00/ 5.00									
MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL	
1.400	-6.122	-0.0900	-0.6830	-0.0100	-0.0300	0.2260	-0.0200	0.05190	
1.404	-1.964	-0.0900	-0.6830	-0.0100	-0.0300	0.2260	-0.0200	-0.04080	
1.404	-0.942	-0.0900	-0.6830	-0.0100	-0.0300	0.2260	-0.0200	-0.04080	
1.404	0.087	-0.0900	-0.5690	0.0000	-0.0300	0.3400	-0.0300	-0.13250	
1.403	0.580	-0.0900	-0.6830	0.0000	-0.0300	0.2260	-0.0300	-0.14270	
1.404	1.083	-0.0900	-0.6830	0.0000	-0.0300	0.2260	-0.0300	-0.14270	
1.403	2.119	-0.0900	-0.6830	0.0000	-0.0300	0.2260	-0.0300	-0.12230	
1.403	3.151	-0.0900	-0.5690	0.0000	-0.0300	0.3400	-0.0300	-0.17330	
1.403	4.211	-0.0900	-0.6830	0.0000	-0.0300	0.2260	-0.0300	-0.15290	
1.401	6.320	-0.0900	-0.6830	0.0000	-0.0300	0.2260	-0.0300	-0.18340	
	GRADIENT	0.0000	0.0044	0.0168	-0.0000	0.0044	-0.0168	-0.01993	

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OAI45 TABULATED FORCE DATA

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(02F024) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDELAP = .000
SPBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 188/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.598	-6.041	-.06060	-.04550	.00000	-.03030	.01510	-.03030	.00000
.597	-1.949	-.06060	-.04550	.00000	-.02020	.01510	-.02020	.00000
.600	-.915	-.06060	-.04550	.00000	-.03030	.01510	-.03030	.00000
.599	.123	-.07070	-.04550	.00000	-.03030	.02520	-.03030	.00000
.600	.645	-.07070	-.05690	-.01000	-.03030	.01380	-.02030	.00000
.600	1.171	-.07070	-.04550	-.02000	-.03030	.02520	-.01030	.00000
.599	2.234	-.07070	-.04550	-.02000	-.03030	.02520	-.03030	.00000
.600	3.272	-.07070	-.04550	.00000	-.03030	.02520	-.03030	.00000
.600	4.312	-.07070	-.04550	.00000	-.03030	.02520	-.03030	.00000
.600	6.411	-.07070	-.04550	.00000	-.03030	.02520	-.03030	.00000
.600	GRADIENT	-.00167	.00017	-.00061	-.00100	.00184	-.00039	.00000

RUN NO. 116/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.800	-6.072	-.07070	-.03420	-.07000	-.02020	.03550	.04980	.12460
.796	-1.922	-.08080	-.04550	-.08000	-.02020	.03530	.05980	.03110
.797	-.895	-.08080	-.04550	-.08000	-.02020	.03530	.05980	.00000
.799	.156	-.08080	-.04550	-.09000	-.02020	.03530	.05980	-.02040
.797	.669	-.08080	-.04550	-.07000	-.03030	.03530	.03970	-.04080
.799	1.177	-.07070	-.04550	-.07000	-.03030	.02520	.03970	-.03060
.798	2.219	-.07070	-.04550	-.08000	-.02020	.02520	.05980	-.04080
.799	3.259	-.07070	-.04550	-.08000	-.03030	.02520	.04970	-.06110
.798	4.303	-.07070	-.04550	-.07000	-.03030	.02520	.03970	-.09170
.799	6.384	-.06060	-.04550	-.06000	-.02020	.01510	.03980	-.10190
.799	GRADIENT	.00215	-.00000	.00124	-.00164	-.00215	-.00287	-.01731

RUN NO. 174/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.900	-6.119	-.09090	-.04550	-.02000	-.02020	.04540	-.00020	.01040
.899	-1.953	-.09090	-.04550	-.02000	-.02020	.04540	-.00020	-.28540
.900	-.906	-.09090	-.04550	-.02000	-.02020	.04540	-.00020	-.36690
.901	.146	-.08080	-.04550	-.02000	-.02020	.03530	-.00020	-.02040
.902	.654	-.09090	-.03420	-.02000	-.02020	.05680	-.00020	-.07130
.901	1.169	-.08080	-.03420	-.02000	-.02020	.04660	-.00020	-.06110
.900	2.197	-.08080	-.04550	-.02000	-.02020	.03530	-.00020	-.12230
.901	3.240	-.08080	-.04550	-.02000	-.02020	.03530	-.00020	-.03060
.901	4.292	-.08080	-.03420	-.02000	-.02020	.04660	-.00020	-.02040
.900	6.377	-.08080	-.04550	-.01000	-.01010	.03530	-.00010	-.06110
.900	GRADIENT	.00183	.00104	-.00000	-.00000	-.00079	-.00000	.04582

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OAI45 TABULATED FORCE DATA

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ANES 118-1-11 OAI45A 01

(D2F024) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 127/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.950	-6.074	-.08080	-.04550	-.04000	-.02020	.03530	.01980	.00000
.951	-1.933	-.08080	-.05690	-.04000	-.02020	.02390	.01980	.00000
.951	-.850	-.08080	-.05690	-.04000	-.02020	.02390	.01980	.00000
.953	.188	-.07070	-.05690	-.05000	-.02020	.01380	.02980	.00000
.951	.700	-.07070	-.05690	-.06000	-.02020	.01380	.03980	.00000
.951	1.228	-.07070	-.06830	-.05000	-.02020	.00240	.02980	.00000
.951	2.303	-.07070	-.05690	-.05000	-.02020	.01380	.02980	.00000
.952	3.359	-.07070	-.05690	-.06000	-.01010	.01380	.04990	.00000
.952	4.412	-.06060	-.05690	-.06000	-.02020	.00370	.03980	.00000
.951	6.520	-.05050	-.05690	-.05000	-.01010	-.00540	.03990	.00000
GRADIENT		.00269	-.00002	-.00320	.00070	-.00270	.00390	.00000

RUN NO. 165/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.198	-6.152	-.07070	-.03420	-.04000	-.02020	.03650	.01980	.19730
1.200	-2.007	-.08080	-.03420	-.03000	-.02020	.04660	.00980	.08310
1.199	-.958	-.08080	-.03420	-.03000	-.02020	.04660	.00980	.02080
1.199	.103	-.09090	-.03420	-.03000	-.02020	.05680	.00980	.00000
1.199	.624	-.08080	-.03420	-.03000	-.02020	.04660	.00980	-.02040
1.200	1.139	-.08080	-.03420	-.03000	-.02020	.04660	.00980	-.01020
1.198	2.178	-.09090	-.03420	-.03000	-.02020	.05680	.00980	-.02040
1.200	3.227	-.09090	-.03420	-.03000	-.02020	.05680	.00980	-.07130
1.199	4.286	-.08080	-.03420	-.02000	-.02020	.04660	-.00020	-.12230
1.197	6.372	-.08080	-.03420	-.02000	-.02020	.04660	-.00020	-.12230
GRADIENT		-.00075	-.00000	.00104	-.00000	.00075	-.00104	-.02775

RUN NO. 137/ 0 RN/L = 4.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.296	-6.143	-.07070	-.05690	-.02000	-.02020	.01380	-.00020	.08310
1.299	-1.995	-.07070	-.05690	-.02000	-.02020	.01380	-.00020	.04150
1.298	-.930	-.07070	-.04550	-.03000	-.02020	.02520	.00980	.05190
1.298	.130	-.07070	-.04550	-.03000	-.01010	.02520	.01990	.04150
1.298	.653	-.07070	-.05690	-.03000	-.02020	.01380	.00980	.05190
1.298	1.177	-.07070	-.05690	-.03000	-.01010	.01380	.01990	.06230
1.298	2.208	-.07070	-.05690	-.02000	-.02020	.01380	-.00020	.04150
1.298	3.258	-.07070	-.05690	-.02000	-.02020	.01380	-.00020	.02080
1.297	4.320	-.08080	-.04550	-.02000	-.02020	.03530	-.00020	.01040
1.296	6.411	-.08080	-.04550	-.02000	-.02020	.03530	-.00020	.00000
GRADIENT		-.00104	.00008	.00109	-.00029	.00112	-.00138	-.00543

OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 13.000 ELEVON = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO AILRON = .000 BDELAP = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPDBRK = 25.000 RUDDER = .000
 SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 157/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.392	-6.153	-.05690	-.05690	-.02000	-.03030	.00370	-.01030	.00000
1.397	-2.002	-.06060	-.06830	-.02000	-.04040	-.00770	-.02040	.00000
1.397	-.968	-.06060	-.06830	-.02000	-.03030	-.00770	-.01030	.00000
1.397	.089	-.06060	-.05690	-.02000	-.03030	.00370	-.01030	.00000
1.395	.601	-.06060	-.05690	-.02000	-.03030	.00370	-.01030	.00000
1.395	1.119	-.06060	-.05690	-.02000	-.03030	.00770	-.01030	.00000
1.395	2.171	-.06060	-.06830	.00000	-.03030	-.00370	-.03030	.00000
1.394	3.214	-.06060	-.05690	.00000	-.03030	-.00770	-.03030	.00000
1.394	4.271	-.06060	-.06830	.00000	-.03030	.00370	-.02030	.00000
1.391	6.376	-.06060	-.05690	-.01000	-.03030	.00370	-.02030	.00000
	GRADIENT	-.00000	.00029	.00348	.00100	.00029	-.00247	.00000

AMES 118-1-11 OAI45A 01

(D2F026) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO BETA = .000 ELEVON = 5.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO AILRON = .000 BDELAP = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPDBRK = 25.000 RUDDER = .000
 SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 69/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.598	-9.863	5.18070	4.67950	4.89110	5.02630	-.50120	.13520	.00000
.598	-5.015	5.18070	4.69110	4.90100	5.02630	-.48960	.12530	.00000
.598	-.021	5.18070	4.67950	4.90100	5.02630	-.50120	.12530	.00000
.598	2.519	5.18070	4.69110	4.89110	5.02630	-.48960	.13520	.00000
.598	5.021	5.18070	4.67950	4.91090	5.02630	-.50120	.11540	.01040
.598	7.063	5.19040	4.67950	4.91090	5.02630	-.51090	.11540	.00000
.598	8.086	5.18070	4.67950	4.90100	5.02630	-.50120	.12530	.00000
.598	10.136	5.18070	4.67950	4.88120	5.02630	-.50120	.14510	.00000
.598	12.192	5.18070	4.67950	4.91090	5.02630	-.50120	.11540	.00000
.597	15.243	5.19040	4.69110	4.90100	5.02630	-.49930	.12530	.00000
.598	20.019	5.18070	4.67950	4.90100	5.02630	-.50120	.13600	.00000
	GRADIENT	-.00000	.00457	-.00390	-.00000	.00457	.00390	.00000

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OAI145 TABULATED FORCE DATA

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(02F026) (16 JUL 77)

AMES 118-1-11 OAI145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

BETA = .000 ELEVON = 5.000
 AILRON = .000 BOFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 109/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.798	-9.932	4.95760	4.84210	4.93070	4.91160	-1.1550	-0.1910	-0.04080
.800	-4.646	4.94790	4.85370	4.94060	4.92080	-0.9420	-0.1980	-0.05100
.800	.324	4.95760	4.84210	4.93070	4.92080	-1.1550	-0.0990	-0.04030
.797	2.855	4.95760	4.84210	4.93070	4.92080	-1.1550	-0.0990	-0.04080
.797	5.456	4.95760	4.84210	4.92080	4.92080	-1.1550	-0.0000	-0.05100
.797	8.518	4.95760	4.83050	4.93070	4.92080	-1.2710	-0.0990	-0.04080
.798	10.550	4.95760	4.84210	4.92080	4.91160	-1.1550	-0.0920	-0.04080
.797	12.645	4.94790	4.84210	4.93070	4.91160	-1.0580	-0.1910	-0.04080
.795	15.708	4.94790	4.84210	4.92080	4.92080	-1.0580	-0.0000	-0.04080
.797	20.481	4.94790	4.84210	4.93070	4.92080	-1.0580	-0.0990	-0.05100
GRADIENT		.00138	-.00166	-.00141	-.00000	-.00304	.00141	.00146

RUN NO. 92/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.900	-4.753	4.96730	4.81890	4.92080	4.92080	-1.4840	.00000	-0.06110
.901	.260	4.96730	4.81890	4.92080	4.92080	-1.4840	.00000	-0.03060
.900	2.782	4.96730	4.81890	4.92080	4.92080	-1.4840	.00000	-0.02040
.900	5.343	4.96730	4.83050	4.92080	4.92080	-1.3680	.00000	-0.01020
.899	8.390	4.95760	4.83050	4.92080	4.92080	-1.2710	.00000	-0.02040
.901	10.472	4.95760	4.81890	4.92080	4.91160	-1.3870	-.00920	-0.03060
.900	12.528	4.96730	4.83050	4.92080	4.92080	-1.3680	.00000	-0.06110
.899	15.566	4.96730	4.80730	4.92080	4.92080	-1.5030	.00000	-0.03060
.889	20.657	4.95760	4.81890	4.92080	4.92080	-1.3870	.00000	-0.03060
GRADIENT		-.00000	.00000	.00000	.00000	.00000	.00000	.00550

RUN NO. 63/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.950	-9.854	5.20980	4.70270	4.71290	5.01560	-5.0710	.30270	-0.02040
.949	-4.990	5.20980	4.69110	4.72280	4.99420	-5.1870	.27140	-0.02040
.951	.022	5.20010	4.70270	4.73270	5.00490	-4.9740	.27220	-0.02040
.951	2.578	5.20010	4.70270	4.71290	5.00490	-4.9740	.29200	-0.03060
.950	5.080	5.19040	4.70270	4.71290	5.00490	-4.8770	.29200	-0.02040
.951	7.150	5.20010	4.69110	4.72280	5.01560	-5.0900	.29280	-0.02040
.951	8.182	5.19040	4.71110	4.74260	4.99420	-4.9930	.25160	-0.01020
.952	10.250	5.20010	4.72600	4.73270	5.01560	-4.7410	.28290	-0.01020
.951	12.294	5.19040	4.72600	4.75250	5.02630	-4.6440	.27380	-0.01020
.950	15.387	5.19040	4.72600	4.76240	5.00490	-4.6440	.24250	-0.01020
.950	20.787	5.20010	4.71430	4.75250	5.02630	-4.8580	.27380	-0.00000
GRADIENT		-.00137	.00164	-.00085	.00151	.00301	.00237	-.00116

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

BETA = .000 ELEVON = 5.000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 244/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.050	-5.833	5.00610	4.90020	4.65350	4.99420	-1.10590	.34070	.11420
1.052	-8.812	5.01580	4.90020	4.66340	4.98420	-1.11560	.33080	.11420
1.051	1.752	5.01580	4.88860	4.66340	4.98350	-1.12720	.32010	.03110
1.051	4.265	5.00610	4.90020	4.66340	4.98350	-1.10590	.32010	.02080
1.046	6.512	5.00610	4.89860	4.66340	4.98350	-1.11750	.32010	.02080
1.050	7.383	4.99640	4.90020	4.65350	4.98350	-.09620	.33000	.05190
1.047	9.491	4.99640	4.88860	4.65350	4.98350	-1.10780	.33000	.05190
1.045	11.294	4.99640	4.88860	4.66340	4.98350	-1.10780	.32010	.06230
1.049	14.582	4.99640	4.88860	4.66340	4.98350	-1.10780	.32010	.06230
	GRADIENT	-.00190	-.00002	.00000	-.00211	.00189	-.00211	-.01844

RUN NO. 242/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.103	-4.248	5.01580	4.90020	4.66340	4.98350	-1.11560	.32010	.02080
1.103	-8.809	5.01580	4.90020	4.66340	4.98350	-1.11560	.32010	.02080
1.100	1.747	5.01580	4.90020	4.66340	4.98350	-1.11560	.32010	.01040
1.095	4.269	5.00610	4.90020	4.65350	4.98350	-1.10590	.33000	.02080
1.101	6.342	5.00610	4.90020	4.65350	4.98350	-1.10590	.33000	.01040
1.100	7.339	5.00610	4.90020	4.66340	4.97280	-1.10590	.30940	.01040
1.100	9.412	5.00610	4.90020	4.66340	4.98350	-1.10590	.32010	.06230
1.100	11.500	5.01580	4.88860	4.66340	4.98350	-1.12720	.32010	.08310
1.101	14.559	4.99640	4.88860	4.65350	4.98350	-1.10780	.33000	.03110
	GRADIENT	-.00098	-.00000	-.00100	-.00000	.00098	.00100	-.00039

RUN NO. 86/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.202	-4.788	4.96730	4.80730	5.00000	4.91160	-1.15000	-.08840	-.03060
1.203	.150	4.95760	4.79570	5.00890	4.91160	-1.16190	-.09730	-.03060
1.200	2.676	4.96730	4.79570	5.00000	4.91160	-1.17160	-.08840	-.03060
1.198	5.197	4.95760	4.79570	5.00000	4.90240	-1.16190	-.09760	-.03060
1.198	8.297	4.96730	4.79570	5.00000	4.90240	-1.17160	-.09760	-.03060
1.198	10.368	4.96730	4.79570	4.99010	4.90240	-1.17160	-.08770	-.03060
1.198	12.435	4.95760	4.79570	4.99010	4.90240	-1.16190	-.08770	-.03060
1.198	15.535	4.95760	4.78400	4.99010	4.90240	-1.17360	-.08770	-.03060
1.197	20.517	4.96730	4.79570	5.00000	4.90240	-1.17160	-.09760	-.04080
1.190		-.00027	-.00166	.00025	-.00000	-.00139	-.00025	.00000
	GRADIENT							

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

RUN NO. 74/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.294	-9.978	5.20010	4.72600	4.95050	5.02630	-4.7410	.07580	-.02040
1.302	-5.113	5.18070	4.71430	4.93070	5.01560	-4.6640	.08490	-.02040
1.301	-.095	5.18070	4.70270	4.92080	5.02630	-4.7800	.10550	-.02040
1.296	2.465	5.18070	4.70270	4.96040	5.02630	-4.7800	.06590	-.02040
1.295	4.992	5.17100	4.69110	4.90100	5.01560	-4.7990	.11460	-.01020
1.295	7.034	5.17100	4.69110	4.80200	5.02630	-4.7990	.22430	-.01020
1.295	8.077	5.17100	4.67950	4.91090	5.02630	-4.9150	.11540	-.02040
1.293	10.156	5.17100	4.69110	4.89110	5.02630	-4.7990	.13520	-.02040
1.292	12.229	5.18070	4.69110	4.91100	5.02630	-4.8960	.12530	-.02040
1.294	15.342	5.16130	4.69110	4.90100	5.02630	-4.7020	.14510	-.04080
1.286	20.321	5.14190	4.67950	4.88120	5.02630	-4.6240	.00175	-.00200
	GRADIENT	- .00190	- .00228	- .00385	- .00210	- .00037		

BETA = .000 ELEVON = 5.000
 AILRON = .000 BOFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 149/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.402	-4.968	4.95760	4.83050	4.89110	4.93000	-1.12710	.03890	-.06110
1.403	.234	4.94790	4.83050	4.89110	4.93000	-1.1740	.03890	-.06110
1.402	2.800	4.94790	4.83050	4.89110	4.93000	-1.1740	.03890	-.06110
1.403	5.322	4.94790	4.81890	4.89110	4.93000	-1.2900	.03890	-.06110
1.404	6.349	4.95760	4.81890	4.88120	4.93000	-1.3870	.04880	-.06110
1.403	7.366	4.94790	4.81890	4.88120	4.93000	-1.2900	.05870	-.06110
1.404	8.410	4.94790	4.80730	4.87130	4.93000	-1.4060	.05870	-.07130
1.404	9.455	4.94790	4.81890	4.87130	4.93000	-1.2900	.00000	-.07130
1.402	GRADIENT	- .00134	.00000	.00000	.00000	.00134		.00000

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(02F027) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

BETA = .000 ELEVON = 10.000
AILRON = .000 BDFLAP = .000
SPDRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 72/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.597	-9.884	10.38100	9.98860	10.14300	9.98610	-.39240	-.15690	.00000
.598	-5.011	10.38100	9.98120	10.14300	9.98610	-.40000	-.15690	.00000
.597	-.014	10.38100	9.98120	10.14300	9.98610	-.40000	-.15690	.00000
.597	2.519	10.38100	9.98120	10.14300	9.98610	-.40000	-.15690	.00000
.598	5.004	10.38100	9.98120	10.14300	9.98610	-.40000	-.15690	.00000
.598	7.068	10.38100	9.98120	10.12500	9.98610	-.40000	-.13940	.00000
.598	8.104	10.38100	9.98120	10.12500	9.98610	-.40000	-.13940	.00000
.598	10.130	10.38100	9.98120	10.13400	9.98610	-.40000	-.14810	.00000
.598	12.195	10.38100	9.98860	10.13400	9.98610	-.39240	-.14810	.00000
.598	15.250	10.38100	9.97350	10.13400	9.98610	-.40770	-.14810	.00000
.537	20.133	10.36800	9.97350	10.13400	9.98610	-.39440	-.14810	-.02040
GRADIENT		.00000	.00000	-.00355	.00000	-.00000	.00347	.00000

RUN NO. 108/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.800	-10.080	10.18200	10.11900	9.85300	9.94890	-.05340	.09590	-.04080
.804	-4.823	10.18200	10.11900	9.85300	9.94890	-.05340	.09590	-.04080
.798	.184	10.18200	10.11900	9.85300	9.95820	-.05340	.10520	-.03060
.799	2.664	10.18200	10.11900	9.85300	9.95820	-.05340	.10520	-.04080
.798	5.255	10.18200	10.11900	9.84420	9.94890	-.05340	.10470	-.06110
.802	8.396	10.19600	10.11900	9.83550	9.92100	-.07670	.08550	-.08150
.799	10.442	10.19600	10.11100	9.80030	9.93960	-.08430	.13930	-.06110
.798	12.484	10.19600	10.11900	9.82670	9.93960	-.07670	.11290	-.06110
.797	15.570	10.18200	10.11900	9.82670	9.93960	-.06340	.11290	-.05100
.791	20.487	10.16900	10.11900	9.94090	9.93960	-.05020	-.00130	-.07130
GRADIENT		.00000	.00000	.00000	.00133	-.00000	.00133	.00030

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(DEF027) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

BETA = .000 ELEVON = 10.000
 AILRON = .000 BDFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 100/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.901	-10.262	10.16900	10.10400	9.92330	9.95820	-.06550	.03490	.00000
.902	-5.022	10.15600	10.11100	9.93210	9.96750	-.04450	.03540	.00000
.903	-.062	10.16900	10.11100	9.92330	9.98610	-.05780	.06280	.00000
.898	2.510	10.16900	10.11100	9.74760	9.97680	-.05780	.22920	.00000
.899	5.025	10.16900	10.11100	9.73000	9.97680	-.05780	.24680	.02080
.900	7.111	10.16900	10.11100	9.86180	9.96750	-.05780	.10570	.02080
.901	8.122	10.15600	10.11100	9.85300	9.97680	-.04450	.12380	.03110
.901	10.215	10.16900	10.11100	9.83550	9.97680	-.05780	.14130	.04150
.900	12.292	10.15600	10.10400	9.83550	9.97680	-.05220	.14130	.02080
.900	15.302	10.15600	10.10400	9.82670	9.96750	-.05220	.14080	.00000
.900	20.346	10.15600	10.11100	9.85300	9.96750	-.04450	.11450	.00000
GRADIENT		-.00000	-.00000	-.06832	-.00362	.00000	.06470	.00000

RUN NO. 66/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.951	-9.876	10.39400	9.97350	9.61670	9.99540	-.42100	.37870	-.03060
.953	-5.006	10.39400	9.96590	9.85300	9.99540	-.42860	.14240	-.04080
.951	.023	10.39400	9.97350	9.87060	9.99540	-.42100	.12480	-.01020
.952	2.580	10.39400	9.96590	9.88820	9.98610	-.42860	.09790	-.01020
.949	5.074	10.39400	9.96590	9.87060	9.98610	-.42860	.11550	-.02040
.948	7.152	10.39400	9.96590	9.87060	9.98610	-.42860	.11550	-.03060
.951	8.172	10.39400	9.96590	9.87060	9.98610	-.42860	.11550	-.03060
.950	10.234	10.39400	9.96590	9.85300	9.98610	-.42860	.13310	-.06110
.951	12.319	10.38100	9.96590	9.85300	9.98610	-.41530	.13310	-.05100
.949	15.411	10.38100	9.96590	9.89700	9.98610	-.41530	.08910	-.04080
.951	20.846	10.38100	9.96590	9.87940	9.98610	-.41530	.10670	-.08150
GRADIENT		.00000	-.00297	.00588	-.00364	-.00297	-.01052	.00000

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OAI45 TABULATED FORCE DATA

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(D2F027) (18 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = 10.000
 AILRON = .000 BDELAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 247/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.051	-5.807	10.16900	10.14900	9.34660	9.98610	-.01960	.63950	.15570
1.059	-1.646	10.18200	10.14900	9.35530	9.98610	-.03280	.63080	.15570
1.047	1.739	10.18200	10.14200	9.34660	9.98610	-.04050	.63950	.13500
1.050	4.307	10.16900	10.14200	9.34660	9.98610	-.02720	.63950	.11420
1.050	6.332	10.16900	10.14200	9.35530	9.98610	-.02720	.63080	.12460
1.050	7.375	10.16900	10.14200	9.34660	9.98610	-.02720	.63950	.07270
1.051	9.444	10.15600	10.14200	9.34660	9.98610	-.01400	.63950	.08310
1.049	11.509	10.15600	10.14200	9.34660	9.98610	-.01400	.63950	.09340
1.048	14.580	10.14200	10.14200	9.34660	9.98610	-.00070	.63950	.09340
GRADIENT		-.00207	-.00122	-.00152	.00000	.00077	.00152	-.00693

RUN NO. 243/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.100	-5.820	10.15600	10.14200	9.32920	9.98610	-.01400	.65690	.05190
1.103	-.800	10.15600	10.14200	9.32920	9.98610	-.01400	.65690	.02080
1.100	1.763	10.14200	10.14200	9.32920	9.98610	-.00070	.65690	.00000
1.099	4.271	10.14200	10.14200	9.32920	9.98610	-.00070	.65690	.01040
1.101	6.350	10.12900	10.14200	9.33790	9.98610	.01260	.64820	.01040
1.099	7.353	10.12900	10.14200	9.32920	9.98610	.01260	.65690	.04150
1.100	9.428	10.12900	10.13400	9.32920	9.98610	.00490	.65690	.06230
1.099	11.500	10.12900	10.13400	9.32920	9.98610	.00490	.65690	.08310
1.100	14.580	10.12900	10.13400	9.32920	9.98610	.00490	.65690	.06230
GRADIENT		-.00277	.00000	.00000	.00000	.00263	.00000	-.00207

RUN NO. 87/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.198	-4.239	10.16900	10.10400	9.98480	9.94890	-.06550	-.03590	-.04080
1.200	.183	10.16900	10.09600	9.98480	9.94890	-.07310	-.03590	-.05100
1.196	2.689	10.15600	10.09600	9.97610	9.94890	-.05980	-.02720	-.05100
1.198	5.209	10.16900	10.09600	9.97610	9.94890	-.07310	-.02720	-.04080
1.199	8.315	10.15600	10.09600	9.98480	9.94890	-.05980	-.03590	-.05100
1.199	10.379	10.14200	10.08800	9.97610	9.94890	-.05420	-.02720	-.04080
1.195	12.472	10.15600	10.08800	9.98480	9.93960	-.06750	-.04520	-.05100
1.196	15.566	10.15600	10.09600	9.97610	9.94890	-.05980	-.02720	-.05100
1.185	20.592	10.14200	10.08800	9.98480	9.93960	-.05420	-.04520	-.06110
GRADIENT		-.00166	-.00123	-.00111	.00000	.00053	.00111	-.00157

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(02F027) (18 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6200 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = 10.000
 AILRON = .000 BOFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 73/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.298	-9.944	10.38100	9.98120	9.89700	9.98610	-4.0000	.08910	-.02040
1.296	-5.057	10.38100	9.97350	9.89700	9.97680	-4.0770	.07980	-.01020
1.297	-0.13	10.36800	9.97350	9.88820	9.97680	-3.9440	.08860	-.02040
1.296	2.544	10.36800	9.97350	9.90580	9.97680	-3.9440	.07100	-.01020
1.295	5.037	10.36800	9.97350	9.91450	9.97680	-3.9440	.06230	-.01020
1.295	7.115	10.36800	9.98120	9.93210	9.97680	-3.8680	.04470	-.01020
1.295	8.161	10.36800	9.97350	9.94090	9.96750	-3.9440	.02560	-.01020
1.296	10.207	10.35500	9.97350	9.93210	9.98610	-4.0210	.05400	-.01020
1.295	12.302	10.36800	9.96590	9.90580	9.97680	-3.8880	.07100	-.01020
1.294	15.384	10.35500	9.96590	9.88820	9.97680	-4.0210	.08860	-.01020
1.281	20.334	10.36800	9.96590	9.90580	9.97680	-4.0210	.07100	-.04080
	GRADIENT	-.00000	.00000	.00689	-.00000	.00000	-.00689	.00399

RUN NO. 150/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.402	-4.954	10.16900	10.10400	9.78270	9.94890	-.06550	.16620	-.08150
1.404	.224	10.16900	10.10400	9.78270	9.94890	-.06550	.16620	-.08150
1.403	2.777	10.16900	10.10400	9.78270	9.94890	-.06550	.16620	-.08150
1.403	5.314	10.16900	10.10400	9.78270	9.94890	-.06550	.16620	-.08150
1.403	6.299	10.16900	10.10400	9.77390	9.94890	-.06550	.17500	-.07130
1.402	7.405	10.16900	10.10400	9.78270	9.94890	-.06550	.16620	-.08150
1.402	8.391	10.16900	10.10400	9.78270	9.93960	-.06550	.15690	-.08150
1.399	9.439	10.15600	10.09600	9.76520	9.93960	-.05980	.17440	-.08150
	GRADIENT	.00000	.00000	.00000	.00000	-.00000	.00000	-.00000

OAI45 TABULATED FORCE DATA

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(DEF028) (16 JUL 77)

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REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = 20.000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 404/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.601	-4.894	20.05700	20.17100	18.60800	20.12300	.11360	1.51450	-.08430
.601	.166	20.05700	20.17100	18.60800	20.12300	.11360	1.51450	-.08430
.601	3.059	20.05700	20.17100	18.60800	20.12300	.11360	1.50610	-.08430
.601	5.266	20.03800	20.18100	18.59800	20.11400	.14330	1.51600	-.08430
.600	7.006	20.03800	20.17100	18.59800	20.11400	.13270	1.51600	-.08430
.601	8.321	20.02800	20.17100	18.59800	20.11400	.14230	1.51600	-.08430
.601	10.341	20.02800	20.17100	18.60800	20.12300	.14230	1.51450	-.08430
.599	12.358	20.04700	20.17100	18.60800	20.12300	.12320	1.51450	-.08430
.600	15.312	20.04700	20.17100	18.60800	20.11400	.12320	1.50610	-.08430
GRADIENT		-.00000	.00000	-.00000	-.00100	-.00000	-.00094	.00000

RUN NO. 408/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.759	-4.697	20.04700	20.19200	18.38500	20.12300	.14440	1.73740	-.10070
.799	.170	20.02800	20.19200	18.38500	20.12300	.16350	1.73740	-.10070
.799	2.721	20.02800	20.19200	18.38500	20.12300	.16350	1.73740	-.10070
.796	5.301	20.02800	20.19200	18.38500	20.12300	.16350	1.73740	-.10070
.797	7.286	19.98100	20.19200	18.38500	20.12300	.21120	1.73740	-.08430
.798	8.328	20.03800	20.19200	18.38500	20.12300	.15390	1.73740	-.09250
.796	10.431	20.04700	20.18100	18.38500	20.12300	.13380	1.73740	-.07610
.797	12.298	20.04700	20.18100	18.38500	20.12300	.13380	1.73740	-.07430
.793	15.276	20.03800	20.18100	18.38500	20.12300	.14330	1.73740	-.09250
GRADIENT		-.00274	.00000	.00000	-.00000	.00275	.00000	-.00000

RUN NO. 393/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.900	-4.957	20.02800	20.17100	18.45000	20.12300	.14230	1.67290	.04150
.900	.113	20.01900	20.17100	18.45000	20.12300	.15180	1.67290	.00000
.900	2.726	19.95200	20.17100	18.45000	20.12300	.21860	1.67290	.15570
.902	5.316	19.94200	20.16000	18.45000	20.12300	.21750	1.67290	.27000
.900	7.307	19.92300	20.16000	18.45000	20.13100	.23660	1.68130	.34260
.899	8.305	19.89500	20.17100	18.45000	20.13100	.27580	1.68130	.19730
.900	10.354	20.08600	20.17100	18.45000	20.13100	.08500	1.68130	-.20380
.901	12.374	20.08600	20.17100	18.44000	20.13100	.08500	1.68280	.13500
.900	15.401	20.07600	20.16000	18.44000	20.13100	.08400	1.69120	.09340
GRADIENT		-.00879	-.00000	.00000	.00000	.00883	.00000	.01173

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0A145 TABULATED FORCE DATA

PAGE 1319

(D2F028) (16 JUL 77)

REFERENCE DATA

=	SREF	=	2690.0000	SQ.FT.	XMRP	=	1075.6800	IN. XO	BETA	=	.000	ELEVON	=	20.000
=	LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. YO	ALIRON	=	.000	BOFLAP	=	.000
=	BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. ZO	SPOBRK	=	25.000	RUDDER	=	.000
=	SCALE	=	.0500						RN/L	=	5.000			

PARAMETRIC DATA

BETA	=	.000	ELEVON	=	20.000
ATLRON	=	.000	BOFLAP	=	.000
SPDBRK	=	25.000	RUDDER	=	.000
RN/L	=	5.000			

RUN NO.	394/ 0	RN/L = 4.95	GRADIENT INTERVAL = -5.00/ 5.00
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MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.951	-4.975	20.05700	20.17100	18.43000	20.13100	.11360	1.70110	-.11210
.951	1.136	20.05700	20.16000	18.43000	20.13100	.10310	1.70110	-.09170
.949	2.705	20.05700	20.17100	18.43000	20.13100	.11360	1.70110	.00000
.950	5.247	20.05700	20.16000	18.43000	20.12300	.10310	1.69270	-.06110
.948	7.299	20.05700	20.17100	18.43000	20.13100	.11360	1.70110	.00000
.950	8.324	20.05700	20.16000	18.43000	20.13100	.11360	1.70110	.19730
.949	10.351	19.94200	20.16000	18.43000	20.13100	.21750	1.70110	.11420
.950	12.400	19.93300	20.15000	18.43000	20.13100	.22700	1.70110	.06230
.949	15.417	19.94200	20.15000	18.43000	20.12300	.20760	1.69270	-.01020
	GRADIENT	.00000	-.00030	.00000	-.00000	-.00029	-.00000	.01309

RUN NO.	428/ 0	RN/L =	5.00	GRADIENT INTERVAL =	-5.00/	5.00
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MACH	ALPHA	ELV-LO	ELV-L1	ELV-RO	ELV-R1	DELL	DELR	DRHL
1.199	-5.058	20.07600	20.15000	20.06000	20.13100	.07410	.07090	-.13360
1.201	-.019	20.07600	20.16000	20.06000	20.13100	.08400	.07090	-.13360
1.194	2.673	20.05700	20.16000	20.06000	20.13100	.10310	.07090	-.14180
1.198	5.227	20.04700	20.16000	20.06000	20.13100	.11260	.07090	-.13360
1.199	7.264	20.04700	20.15000	20.06000	20.13100	.10270	.07090	-.13360
1.197	8.275	20.04700	20.15000	20.05000	20.13100	.10270	.08110	-.13360
1.198	10.314	20.04700	20.15000	20.06000	20.12300	.10270	.06250	-.12540
1.198	12.357	20.00300	20.13000	20.06000	20.12300	.13060	.06250	-.13360
1.185	15.359	19.93000	20.06100	20.06000	20.12300	.12800	.06250	-.13360
	GRADIENT	-.00706	-.00000	.00000	-.00000	.00710	-.00000	-.00305

RUN NO.	427/ 0	RN/L =	4.99	GRADIENT INTERVAL =	-5.00/	5.00
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MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.301	-4.964	20.06500	20.19200	20.06000	20.12300	.12530	.06250	-.14180
1.299	.045	20.06500	20.18100	20.05000	20.12300	.11470	.07270	-.14180
1.295	2.660	20.06500	20.19100	20.06000	20.12300	.11470	.06250	-.14180
1.293	5.190	20.06500	20.15000	20.06000	20.12300	.08360	.06250	-.14180
1.292	7.240	20.06500	20.14000	20.06000	20.12300	.07370	.06250	-.14180
1.293	8.271	20.06500	20.14000	20.06000	20.12300	.07370	.06250	-.14180
1.293	10.324	20.04700	20.12000	20.06000	20.12300	.07300	.06250	-.14180
1.293	12.317	20.04700	20.08100	20.06000	20.12300	.03340	.06250	-.13360
1.292	15.341	20.04700	20.05100	20.06000	20.12300	.00370	.06250	-.13360
GRADIENT		.00000	-.00154	-.00027	.00000	-.00149	.00027	-.00000

REFERENCE DATA						PARAMETRIC DATA					
SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. X0	BETA =	.000	ELEVON =	20.0000		
LREF =	474.8100	INCHES	YMRP =	.0000	IN. Y0	AILRON =	.000	BDFLAP =	.000		
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. Z0	SPDRBK =	25.000	RUDDER =	.000		
SCALE =	.0500					RN/L =	5.000				
RUN NO. 416/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00											
MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL			
1.403	-4.943	20.05700	20.27700	18.31800	20.12300	.21970	1.80430	-.15000			
1.405	.050	20.05700	20.25500	18.31800	20.12300	.19850	1.80430	-.15000			
1.401	2.758	20.05700	20.24500	18.31800	20.12300	.18790	1.80430	-.15000			
1.399	5.279	20.05700	20.20200	18.31800	20.12300	.14540	1.80430	-.15000			
1.398	7.295	20.05700	20.17100	18.31800	20.12300	.11360	1.80430	-.15000			
1.401	8.334	20.05700	20.16000	18.31800	20.12300	.10310	1.80430	-.15000			
1.400	10.368	20.05700	20.16000	18.31800	20.12300	.10310	1.80430	-.15000			
1.384	12.416	20.05700	20.12000	18.31800	20.12300	.06340	1.80430	-.14180			
1.383	15.441	20.05700	19.84300	18.40800	20.12300	-.21370	1.71510	-.14180			
	GRADIENT	.00000	-.00419	-.00000	.00000	-.00414	-.00000	.00000			

AMES 118-1-11 0A145A 01										(D2F029) (16 JUL 77
REFERENCE DATA					PARAMETRIC DATA					
SREF =	2690.0000	SQ.FT.	XMRP =	1076.6800	IN. X0	BETA =	.000	ELEVON =	-5.0000	
LREF =	474.8100	INCHES	YMRP =	.0000	IN. Y0	AILRON =	.000	BDFLAP =	.0000	
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. Z0	SPDRBK =	25.000	RUDDER =	.0000	
SCALE =	.0500					RN/L =	5.000			
RUN NO. 70/ 0					RN/L =	4.99	GRADIENT INTERVAL =		-5.00/ 5.00	
MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL		
.598	-9.898	-5.16380	-4.85270	-5.23000	-5.00640	.31110	.22360	.00000		
.598	-5.039	-5.16380	-4.85270	-5.26300	-4.97400	.31110	.28900	.00000		
.598	-.054	-5.17340	-4.85270	-5.32900	-4.96320	.32070	.36580	.01040		
.598	2.478	-5.17340	-4.85270	-5.29600	-4.96320	.32070	.33280	.01040		
.598	4.976	-5.16380	-4.85270	-5.29600	-4.97400	.31110	.32200	.01040		
.598	7.044	-5.16380	-4.85270	-5.27400	-4.96320	.31110	.31080	.01040		
.598	8.049	-5.17340	-4.85270	-5.28500	-4.96320	.32070	.32180	.01040		
.598	10.106	-5.17340	-4.85270	-5.29600	-4.96320	.32070	.33280	.02080		
.598	12.176	-5.18300	-4.85270	-5.28500	-4.96320	.33030	.32180	.02080		
.598	15.224	-5.18300	-4.84160	-5.31800	-4.93080	.34140	.38720	.03110		
.599	20.067	-5.18300	-4.84160	-5.32900	-4.95240	.34140	.37660	.01040		
	GRADIENT	.00190	-.00000	.00658	-.00214	-.00190	-.00872	.00000		

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(02F020) (18 JUL 77)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN. X0	BETA	=	.000	ELEVON	=	-5.000
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. Y0	AILRON	=	.000	BOFLAP	=	.000
BRF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. Z0	SPDBRK	=	25.000	RUDDER	=	.000
SCALE	=	.0500						RN/L	=	5.000			

PARAMETRIC DATA

RUN NO.	110/ 0	RN/L = 4.97	GRADIENT INTERVAL = -5.00/ 5.00
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MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.797	-10.060	-4.96230	-4.95260	-5.23000	-4.96320	.00970	.26680	-.06110
.798	-4.647	-4.98150	-4.95260	-5.23000	-4.96320	.02890	.26680	-.05100
.801	.088	-4.98150	-4.95260	-5.23000	-4.96320	.02890	.26680	-.05100
.799	.323	-4.96230	-4.96370	-5.21900	-4.96320	.00140	.25580	-.06110
.799	2.223	-4.98150	-4.96370	-5.23000	-4.96320	.01780	.26680	-.05100
.799	5.185	-4.98150	-4.96370	-5.23000	-4.96320	.01780	.26680	-.06110
.796	8.765	-4.97190	-4.96370	-5.24100	-4.96320	.00820	.27780	-.06110
.797	10.544	-4.98150	-4.96370	-5.24100	-4.96320	.01780	.27780	-.06110
.796	12.336	-4.97190	-4.96370	-5.23000	-4.96320	.00820	.26680	-.08150
.798	15.472	-4.97190	-4.96370	-5.21900	-4.97400	.00820	.24500	-.08150
.797	20.289	-4.98150	-4.96370	-5.21900	-4.96320	.01780	.25580	-.09170
GRADIENT		.00062	-.00154	.00035	-.00000	-.00216	-.00035	-.00033

RUN NO.	91/ 0	RN/L = 5.03	GRADIENT INTERVAL = -5.00/ 5.00
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MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.900	-4.965	-4.96370	-4.96370	-5.23000	-4.98480	-	.24520	-.05100
.900	.064	-4.97190	-4.96370	-5.23000	-4.98480	.00820	.24520	-.03060
.900	2.601	-4.98150	-4.96370	-5.24100	-4.98480	.01780	.25620	-.02040
.898	5.113	-4.98150	-4.96370	-5.23000	-4.99560	.01780	.23440	-.02040
.900	8.188	-4.98150	-4.95260	-5.23000	-4.98480	.02890	.24520	-.03060
.901	10.243	-4.97190	-4.95260	-5.21900	-4.99560	.01930	.22340	-.03060
.901	12.311	-4.98150	-4.96370	-5.21900	-4.99560	.01780	.22340	-.03060
.900	15.399	-4.99110	-4.96370	-5.23000	-4.98480	.02740	.24520	-.04080
.900	20.535	-4.99110	-4.96370	-5.21900	-4.98480	.02740	.23420	-.04080
GRADIENT		-.00245	-.00000	-.00125	.00000	.00245	.00125	.00405

AMES 118-1-11 0A145A 01

(D2F029) (16 JUL 77)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN.	XO	=	BETA	=	.000	ELEVON	=	-5.0000
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN.	YO	=	AILRON	=	.000	BDFLAP	=	.000
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN.	ZO	=	SPDBRK	=	25.000	RUDDER	=	.000
SCALE	=	.0500								RN/L	=	5.000			

PARAMETRIC DATA

RUN NO.	64/ 0	RN/L =	5.00	GRADIENT	INTERVAL =	-5.00/	5.00	DELR	DRAL
ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR			
-9.932	-5.17340	-4.83050	-5.42800	-4.95240	34290	.47560		-.04080	
-5.003	-5.20220	-4.83050	-5.43900	-4.96320	37170	.47580		-.02040	
.026	-5.20220	-4.83050	-5.42800	-4.97400	37170	.45400		-.02040	
2.560	-5.20220	-4.83050	-5.14200	-4.97400	37170	.16800		-.02040	
7.150	-5.18300	-4.83050	-5.14200	-4.95240	35250	.18960		-.02040	
7.032	-5.21180	-4.83050	-5.13100	-4.96320	38130	.16780		-.03060	
8.171	-5.20220	-4.83050	-5.16400	-4.95240	37170	.21160		-.03060	
10.241	-5.20220	-4.83050	-5.16400	-4.95240	37170	.21160		-.03060	
12.296	-5.21180	-4.83050	-5.17500	-4.96320	38130	.21180		-.02040	
15.368	-5.20220	-4.83050	-5.16400	-4.96320	37170	.20080		.00000	
20.668	-5.21180	-4.83050	-5.18600	-4.97400	38130	.21200		-.03060	
GRADIENT	.00000	.00000	.11288	.00000	-.00000	-.11288		.00000	

RUN NO.	245/ 0	RN/L = 5.00	GRADIENT INTERVAL =	-5.00/	5.00	
ALPHA	ELV-L0	ELV-L1	ELV-R0	ELV-R1	DELL	DELR
- .843	-4.79920	-4.86380	-4.89110	-4.90160	- .06460	- .01050
1.790	-4.79920	-4.87490	-4.91100	-4.90160	- .07570	.12460
4.238	-4.80880	-4.87490	-4.91100	-4.90160	- .06610	.12460
6.482	-4.81840	-4.87490	-4.91100	-4.90160	- .06550	.05190
7.340	-4.79920	-4.87490	-4.91100	-4.90160	- .07570	.07270
9.446	-4.79920	-4.87490	-4.92200	-4.90160	- .07570	.02080
11.487	-4.80880	-4.87490	-4.92200	-4.90160	- .06610	.03110
14.452	-4.80880	-4.88600	-4.91100	-4.90160	- .07720	.06230
GRADIENT	- .00187	- .00221	- .00396	- .00000	- .00034	- .01413

RUN NO.	241/ 0	RN/L =	5.01	GRADIENT INTERVAL =	-5.00/	5.00			
ALPHA	ELV-L0	ELV-L1	ELV-R0	ELV-R1	DELL	DELR	DRHL		
- .816	-4.78960	-4.86380	-4.88220	-4.89240	-.07420	-.01020	.02080		
1.716	-4.81840	-4.87490	-4.88220	-4.89240	-.05650	-.01020	.02080		
4.255	-4.81840	-4.87490	-4.88220	-4.89240	-.05650	-.01020	.02080		
6.313	-4.81840	-4.87490	-4.88220	-4.89240	-.05650	-.01020	.02080		
7.313	-4.82800	-4.87490	-4.88220	-4.89240	-.04690	-.01020	.02080		
9.393	-4.80880	-4.87490	-4.88220	-4.90160	-.06510	-.01940	.03110		
11.453	-4.82800	-4.88600	-4.88220	-4.90160	-.05800	-.01940	.01040		
14.565	-4.81840	-4.88600	-4.89110	-4.90160	-.06760	-.01050	.02080		
GRADIENT	-.00568	-.00219	.00000	.00000	.00349	.00000	-.02080		

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(DEF029) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = -5.000
 AILRON = .000 BOFLAP = .000
 SPDRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 85/ 0		RN/L = 5.01		GRADIENT INTERVAL = -5.00/ 5.00				
MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.199	-4.901	-4.99110	-4.96370	-5.21900	-4.98480	.02740	.23420	-.03060
1.202	.121	-4.99110	-4.97480	-5.21900	-4.98480	.01630	.23420	-.04080
1.199	2.659	-4.99110	-4.97480	-5.21900	-4.98480	.01630	.23420	-.04080
1.199	5.172	-4.99110	-4.97480	-5.21900	-4.98480	.01630	.23420	-.04080
1.199	8.230	-5.00070	-4.97480	-5.21900	-4.98480	.02590	.23440	-.03060
1.198	10.301	-5.00070	-4.98590	-5.21900	-4.98560	.01480	.23440	-.03060
1.198	12.361	-5.00070	-4.98590	-5.23000	-4.98560	.01480	.23440	-.03060
1.196	15.509	-5.00070	-4.98590	-5.23000	-4.98560	.01480	.23440	-.03060
1.196	20.515	-5.01030	-4.98590	-5.20800	-4.99560	.02440	.21240	-.04080
	GRADIENT	-.00000	-.00157	-.00000	-.00000	-.00157	.00000	-.00144

RUN NO. 76/ 0		RN/L = 5.07		GRADIENT INTERVAL = -5.00/ 5.00				
MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.303	-5.142	-5.18300	-4.84160	-5.20800	-4.95240	.34140	.25560	-.04080
1.300	-.188	-5.20220	-4.85270	-5.20800	-4.97400	.34950	.23400	-.05100
1.294	2.457	-5.19260	-4.84160	-5.20800	-4.97400	.35100	.23400	-.05100
1.296	4.939	-5.20220	-4.84160	-5.21900	-4.97400	.36060	.24500	-.05100
1.295	7.015	-5.21180	-4.85270	-5.20800	-4.98480	.35910	.23220	-.05100
1.296	8.034	-5.19260	-4.85270	-5.20800	-4.97400	.33990	.23400	-.05100
1.295	10.096	-5.19260	-4.84160	-5.21900	-4.98480	.35100	.23420	-.05100
1.293	12.158	-5.21180	-4.85270	-5.23000	-4.97400	.35910	.25600	-.06110
1.293	15.304	-5.20220	-4.85270	-5.21900	-4.98480	.34950	.23420	-.07130
1.298	20.371	-5.20220	-4.85270	-5.23000	-4.98480	.34950	.24520	-.09170
	GRADIENT	.00004	.00219	-.00212	.00000	.00215	.00212	-.00000

RUN NO. 148/ 0		RN/L = 4.98		GRADIENT INTERVAL = -5.00/ 5.00				
MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.402	-4.954	-4.97190	-4.96370	-5.23000	-4.98480	.00820	.24520	-.07130
1.404	.191	-4.98150	-4.97480	-5.23000	-4.99560	.00670	.23440	-.07130
1.403	2.735	-4.98150	-4.97480	-5.23000	-4.99560	.00670	.23440	-.06110
1.401	5.256	-4.98150	-4.97480	-5.23000	-4.99560	.00670	.23440	-.06110
1.402	7.336	-4.98150	-4.97480	-5.23000	-4.99560	.00670	.23440	-.06110
1.403	8.355	-4.98150	-4.97480	-5.23000	-4.99560	.00670	.23440	-.07130
1.403	10.435	-4.98150	-4.98590	-5.24100	-4.99560	-.00440	.24540	-.07130
1.400	12.498	-4.98150	-4.98590	-5.26300	-5.00640	-.00440	.25660	-.07130
	GRADIENT	-.00134	-.00155	.00000	-.00151	-.00021	-.00151	.00113

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

(02F030) (16 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 BDELAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 71/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.597	-9.919	-10.26500	-9.94590	-10.41500	-9.87130	.31890	.54400	.00000
.598	-5.037	-10.27500	-9.94590	-10.38200	-9.88120	.32870	.50040	.00000
.597	-0.055	-10.26500	-9.94590	-10.39300	-9.88120	.31890	.51170	.00000
.598	2.472	-10.26500	-9.94590	-10.38200	-9.88120	.31890	.50040	.00000
.598	4.970	-10.26500	-9.93490	-10.38200	-9.87130	.32990	.51030	.00000
.597	7.018	-10.27500	-9.94590	-10.37000	-9.87130	.32870	.49910	.00000
.597	8.039	-10.27500	-9.93490	-10.39300	-9.87130	.33970	.52160	.00000
.597	10.092	-10.26500	-9.93490	-10.33700	-9.87130	.32990	.46540	.00000
.597	12.156	-10.26500	-9.94590	-10.32600	-9.87130	.31890	.45420	.00000
.597	15.217	-10.27500	-9.93490	-10.34800	-9.87130	.33970	.47670	.01040
.597	19.969	-10.27500	-9.94590	-10.46000	-9.87130	.32870	.58890	.00000
GRADIENT		.00000	.00219	.00219	.00197	.00219	-.00029	.00000

RUN NO. 111/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.794	-9.977	-10.22600	-10.00100	-10.50500	-10.00000	.22420	.50510	-.03060
.798	-4.826	-10.23500	-10.00100	-10.50500	-10.00000	.23400	.50510	-.04080
.799	.315	-10.23500	-10.00100	-10.52800	-10.00000	.23400	.52750	-.05100
.799	2.772	-10.23500	-10.01200	-10.53900	-10.01100	.22290	.52760	-.06110
.799	5.393	-10.23500	-10.00100	-10.58400	-10.01100	.23400	.57250	-.04080
.798	8.533	-10.23500	-10.00100	-10.51600	-10.00000	.23400	.51630	-.05100
.797	10.427	-10.23500	-10.01200	-10.51600	-10.00000	.22290	.51630	-.05100
.798	12.508	-10.23500	-10.00100	-10.53900	-10.01100	.23400	.52760	-.06110
.797	15.579	-10.23500	-10.00100	-10.50500	-10.01100	.23400	.49390	-.04080
.797	20.034	-10.24500	-10.01200	-10.50500	-10.01100	.23270	.49390	-.07130
GRADIENT		.00000	-.00123	-.00447	-.00123	-.00124	.00317	-.00257

RUN NO. 90/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.902	-4.920	-10.23500	-10.05700	-10.50500	-10.03400	.17860	.47150	-.06110
.901	.112	-10.23500	-10.05700	-10.50500	-10.03400	.17860	.47150	-.06110
.900	2.636	-10.23500	-10.05700	-10.53900	-10.02200	.17860	.51640	-.03060
.899	5.190	-10.23500	-10.05700	-10.51600	-10.02200	.17860	.49390	-.02040
.900	8.267	-10.24500	-10.05700	-10.50500	-10.04500	.18840	.46030	-.04080
.899	10.322	-10.23500	-10.05700	-10.49400	-10.03400	.17860	.46030	-.04080
.899	12.392	-10.23500	-10.04600	-10.48300	-10.04500	.18970	.43790	-.06110
.898	15.478	-10.23500	-10.05700	-10.50500	-10.04500	.18840	.46030	-.09170
.899	20.509	-10.24500	-10.05700	-10.49400	-10.03400	.18840	.46030	-.06110
GRADIENT		.00000	.00000	-.00386	.00136	-.00000	.00510	.00346

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 65/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.950	-9.889	-10.25500	-9.94590	-10.44900	-9.89110	.30910	.55790	-.02040
.951	-5.036	-10.26500	-9.94590	-10.48300	-9.90100	.31890	.58170	-.03060
.948	.010	-10.26500	-9.94590	-10.52800	-9.89110	.31890	.63650	-.03060
.950	2.542	-10.26500	-9.93490	-10.49400	-9.90100	.32990	.59290	-.02040
.951	5.061	-10.26500	-9.95700	-10.47100	-9.89110	.30780	.58030	-.01020
.951	7.132	-10.26500	-9.93490	-10.49400	-9.91090	.32990	.58300	.00000
.950	8.148	-10.26500	-9.94590	-10.46000	-9.89110	.30910	.56910	-.01020
.951	10.215	-10.26500	-9.94590	-10.49400	-9.90100	.31890	.59290	-.02040
.950	12.285	-10.26500	-9.94590	-10.50500	-9.92080	.31890	.58430	-.01020
.950	15.313	-10.27500	-9.95700	-10.50500	-9.91090	.31760	.59420	.00000
.951	20.630	-10.27500	-9.95700	-10.49400	-9.92080	.31760	.57310	-.05100
GRADIENT		.00000	.00434	.01343	-.00391	.00434	-.01722	.00403

RUN NO. 246/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.051	-7.745	-10.00000	-9.92380	-9.90100	-9.91090	.07640	-.00990	.15570
1.055	1.901	-10.01000	-9.93490	-9.91090	-9.91090	.07510	.00000	.14540
1.050	4.209	-10.01000	-9.93490	-9.92080	-9.91090	.07510	.00990	.14540
1.047	6.441	-10.00000	-9.92380	-9.93070	-9.91090	.07640	.01980	.09340
1.049	7.299	-10.01000	-9.93490	-9.94060	-9.91090	.07510	.02970	.10380
1.044	9.400	-10.01000	-9.92380	-9.92080	-9.91090	.08620	.00990	.02080
1.045	11.240	-10.01000	-9.93490	-9.93070	-9.91090	.07510	.01980	.01040
1.045	14.580	-10.01000	-9.93490	-9.93070	-9.91090	.07510	.01980	.10380
GRADIENT		-.00206	-.00229	-.00399	.00000	-.00027	.00399	-.00212

RUN NO. 240/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.102	-5.846	-9.98060	-9.89050	-9.89110	-9.91090	.09010	-.01980	.02080
1.103	-1.331	-9.99040	-9.91270	-9.86140	-9.91090	.07770	-.04950	.10380
1.103	-.849	-10.00000	-9.90160	-9.92080	-9.91090	.09850	.00990	.03110
1.105	1.191	-9.99040	-9.90160	-9.92080	-9.91090	.08880	.00390	.00000
1.103	1.722	-9.99040	-9.90160	-9.90100	-9.91090	.08880	-.00990	.03110
1.099	4.287	-10.00000	-9.91270	-9.92080	-9.91090	.09850	.00990	.00000
1.101	7.358	-9.99040	-9.91270	-9.90100	-9.91090	.07770	-.00990	-.01020
1.100	9.369	-10.00000	-9.91270	-9.93070	-9.91090	.08750	.01980	-.07130
1.101	11.451	-10.00000	-9.91270	-9.93070	-9.91090	.08750	.01980	-.08150
1.101	14.561	-10.00000	-9.91270	-9.93070	-9.91090	.08750	.01980	.11420
1.094	GRADIENT	-.00068	.00128	-.00616	-.00000	.00198	.00616	-.01374

ANES 118-1-11 OAI45A 01

(02F030) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 84/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.199	-4.740	-10.22600	-10.04600	-10.50500	-10.03400	.17990	.47150	-.02040
1.200	.260	-10.23500	-10.04600	-10.50500	-10.03400	.18970	.47150	-.03060
1.204	2.811	-10.23500	-10.04600	-10.53900	-10.03400	.18970	.50520	-.03060
1.200	5.369	-10.23500	-10.04600	-10.55000	-10.03400	.18970	.51640	-.02040
1.199	8.447	-10.24500	-10.04600	-10.52800	-10.04500	.19950	.48280	-.02040
1.197	10.524	-10.24500	-10.05700	-10.52800	-10.04500	.18840	.48280	-.03060
1.198	12.584	-10.23500	-10.04600	-10.56100	-10.04500	.18970	.51650	-.03060
1.202	15.689	-10.24500	-10.04600	-10.53900	-10.04500	.19950	.49400	-.03060
1.197	21.028	-10.24500	-10.04600	-10.56100	-10.05600	.19950	.50530	-.04080
GRADIENT		-.00128	-.00000	-.00388	-.00000	.00139	.00385	-.00145

RUN NO. 77/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.233	-5.160	-10.25500	-9.93490	-10.53900	-9.89110	.32010	.64770	-.01020
1.307	.167	-10.27500	-9.94590	-10.56100	-9.89110	.32870	.67010	-.01020
1.300	2.403	-10.26500	-9.94590	-10.53900	-9.89110	.31890	.64770	-.01020
1.295	4.971	-10.26500	-9.94590	-10.56100	-9.90100	.31890	.66020	-.01020
1.295	7.011	-10.26500	-9.94590	-10.55000	-9.91090	.31890	.63910	.00000
1.296	8.027	-10.26500	-9.94590	-10.56100	-9.91090	.31890	.65030	-.02040
1.295	10.092	-10.26500	-9.93490	-10.53900	-9.91090	.32990	.62790	-.02040
1.291	12.163	-10.26500	-9.94590	-10.56100	-9.90100	.31890	.66020	-.03040
1.294	15.274	-10.26500	-9.93490	-10.56100	-9.91090	.32990	.65030	-.02040
1.287	20.524	-10.27500	-9.94590	-10.52800	-9.93070	.32870	.59690	.00000
GRADIENT		.00195	.00000	.00000	-.00193	-.00191	-.00193	.00000

RUN NO. 147/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.402	-4.996	-10.24500	-10.01200	-10.52800	-10.02200	.23270	.50520	-.08150
1.403	.131	-10.24500	-10.02400	-10.56100	-10.02200	.22160	.53880	-.07130
1.402	2.765	-10.24500	-10.02400	-10.53900	-10.02200	.22160	.51640	-.07130
1.402	5.218	-10.24500	-10.02400	-10.55000	-10.02200	.22160	.52760	-.07130
1.400	7.302	-10.24500	-10.02400	-10.55000	-10.03400	.22160	.51640	-.07130
1.402	8.316	-10.24500	-10.02400	-10.57200	-10.02200	.22160	.55010	-.07130
1.403	10.413	-10.24500	-10.02400	-10.49400	-10.02200	.22160	.47150	-.07130
1.397	12.522	-10.24500	-10.03500	-10.53900	-10.03200	.21050	.51640	-.08150
GRADIENT		.00000	-.00165	-.00210	.00000	-.00153	.00214	.00141

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

PAGE 1327

AMES 118-1-11 0A145A 01

(D2F031) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. X0
LREF = 474.8100 INCHES YMRP = .0000 IN. Y0
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. Z0
SCALE = .0500

BETA = .000 ELEVON = -20.000
AILRON = .000 BOFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

PARAMETRIC DATA

RUN NO. 405/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.600	-4.979	-20.0000	-19.9860	-19.9270	-19.9300	.01380	-.00360	-.09250
.602	.039	-20.0100	-19.9860	-19.9270	-19.9300	.02380	-.00360	-.09250
.601	2.602	-20.0100	-19.9860	-19.9270	-19.9300	.02380	-.00360	-.08430
.601	5.084	-20.0100	-19.9860	-19.9270	-19.9300	.01210	-.00360	-.09250
.601	7.127	-20.0200	-19.9980	-19.9270	-19.9300	.02210	-.00360	-.08430
.601	8.154	-20.0200	-19.9980	-19.9270	-19.9300	.02210	-.00360	-.09250
.600	10.184	-20.0300	-19.9980	-19.9270	-19.9300	.03210	-.00360	-.08430
.600	12.266	-20.0300	-19.9980	-19.9270	-19.9300	.03210	-.00360	-.09250
.598	15.311	-20.0300	-19.9980	-19.9270	-19.9300	.03210	.00650	-.08430
	GRADIENT	-.00141	.00000	.00000	.00000	.00141	.00000	.00093

RUN NO. 409/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.802	-5.027	-20.0300	-19.9980	-19.9270	-19.9090	.03210	.01780	-.11710
.801	.078	-20.0500	-19.9980	-19.9160	-19.9090	.05210	.00770	-.10890
.802	2.515	-20.0600	-19.9980	-19.9160	-19.9090	.06210	.00770	-.11710
.801	5.127	-20.0800	-19.9980	-19.9160	-19.9090	.08210	.00770	-.10890
.799	7.197	-20.0800	-19.9860	-19.9160	-19.9090	.07380	.00770	-.10890
.799	8.235	-20.0700	-19.9980	-19.9160	-19.9090	.07210	.00770	-.10070
.797	10.465	-20.0600	-19.9980	-19.9270	-19.9090	.06210	.01780	-.10070
.797	12.425	-20.0000	-19.9980	-19.9270	-19.9090	.00210	.01780	-.10070
.800	15.474	-19.9920	-19.9980	-19.9270	-19.9090	-.00630	.01780	-.10070
	GRADIENT	-.00410	.00000	.00000	.00000	.00410	.00000	-.00337

RUN NO. 392/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.901	-5.058	-20.0100	-19.9980	-19.9160	-19.9090	.01210	.00770	-.01020
.902	-.017	-20.0200	-19.9980	-19.9160	-19.9190	.02210	-.00360	.03110
.908	2.551	-20.0200	-19.9880	-19.9270	-19.9300	.02210	-.00360	.08310
.902	5.075	-20.0200	-19.9980	-19.9270	-19.9520	.02210	-.02500	.11420
.902	7.141	-20.0200	-19.9980	-19.9270	-19.9520	.02210	-.02500	.22840
.899	8.190	-20.0200	-19.9980	-19.9270	-19.9520	.02210	-.02500	.21800
.901	10.306	-20.0200	-19.9980	-19.9270	-19.9300	.02210	-.00360	.17650
.901	12.337	-20.0300	-20.0100	-19.9270	-19.9190	.02040	.00710	.03110
.901	15.364	-20.0300	-20.0100	-19.9270	-19.9190	.02040	.00710	.03110
.900		.00000	.00000	-.00428	-.00428	.00000	-.00023	.02025
	GRADIENT							

REFERENCE DATA

SREF = 2690.0000 SQ.FT.

LREF = 474.8100 INCHES

BREF = 936.6800 INCHES

SCALE = .0500

AMES 118-1-11 0A145A 01

1076.6800 IN. XO

.0000 IN. YO

375.0000 IN. ZO

PARAMETRIC DATA

BETA = .000

ELEVON = -20.000

AILRON = .000

BOFLAP = .000

SPDBRK = 25.000

RUDDER = .000

RN/L = 5.000

RUN NO. 395/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00									
MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL	
.950	-5.047	-20.0000	-19.9980	-19.9160	-19.9190	.00210	-.00300	-.03060	
.951	-.014	-20.0300	-19.9980	-19.9060	-19.9090	.03210	-.00240	.01040	
.952	2.549	-20.0800	-19.9980	-19.9160	-19.9190	.08210	-.00300	-.07130	
.952	5.103	-20.2900	-19.9980	-19.9160	-19.9190	.29210	-.00300	-.11210	
.948	7.143	-20.3100	-19.9980	-19.9160	-19.9190	.31210	-.00300	-.12230	
.949	8.194	-20.3100	-19.9980	-19.9160	-19.9190	.31210	-.00300	-.14270	
.947	10.281	-20.3700	-20.0100	-19.9060	-19.9300	.36040	-.02380	.09340	
.940	12.739	-20.3300	-20.0100	-19.9060	-19.9300	.32040	-.02380	.08310	
.947	13.225	-20.2300	-20.0100	-19.9060	-19.9300	.22040	-.02380	-.08150	
.948	16.252	-20.0400	-20.0210	-19.9060	-19.9300	.01870	-.02380	-.04080	
GRADIENT		-.01951	.00000	-.00390	-.00390	.01951	-.00023	-.03188	

RUN NO. 429/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00									
MACH	ALPHA	ELV-LO	ELV-LI	ELV-RJ	ELV-RI	DELL	DELR	DRHL	
1.199	-5.078	-10.0930	-19.9980	-19.9860	-19.9190	-9.90530	.06670	-.13360	
1.201	-.066	-10.4400	-20.0100	-19.9860	-19.9190	-9.56960	.06670	-.13360	
1.203	2.544	-10.5500	-20.0100	-19.9860	-19.9190	-9.45960	.06670	-.13360	
1.199	5.087	-10.5500	-20.0100	-19.9860	-19.9300	-9.45960	.05600	-.13360	
1.198	7.180	-10.5500	-20.0100	-19.9860	-19.9300	-9.45960	.05600	-.13360	
1.199	8.232	-10.6600	-20.0100	-19.9860	-19.9300	-9.34960	.05600	-.13360	
1.199	10.326	-10.7700	-20.0210	-19.9860	-19.9300	-9.25130	.05600	-.14180	
1.199	12.353	-10.5500	-20.0330	-19.9860	-19.9300	-9.48300	.05600	-.14180	
1.188	15.364	-10.6600	-20.0210	-19.9860	-19.9190	-9.36130	.06670	-.14180	
GRADIENT		-.04215	.00000	-.00000	.00000	.04215	-.00000	.00000	

RUN NO. 426/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00									
MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL	
1.300	-5.078	-10.2200	-20.0100	-19.9860	-19.9300	-9.78960	.05600	-.14180	
1.300	-.041	-10.5500	-20.0210	-19.9860	-19.9300	-9.47130	.05600	-.14180	
1.300	2.539	-10.5500	-20.0210	-19.9860	-19.9300	-9.47130	.05600	-.14180	
1.297	5.072	-10.6600	-20.0210	-19.9860	-19.9300	-9.36130	.05600	-.14180	
1.296	7.177	-10.6600	-20.0210	-19.9860	-19.9300	-9.36130	.05600	-.14180	
1.295	8.210	-10.0000	-20.0330	-19.9860	-19.9300	-10.03300	.05600	-.14180	
1.294	10.287	-10.0930	-20.0330	-19.9860	-19.9300	-9.94040	.05600	-.13360	
1.294	12.296	-10.0000	-20.0330	-19.9860	-19.9300	-10.03300	.05600	-.13360	
1.294	15.354	-10.1100	-20.0330	-19.9860	-19.9300	-9.92300	.05600	-.13360	
GRADIENT		.00000	.00000	-.00000	.00000	.00000	.00000	.00000	

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OAI45 TABULATED FORCE DATA

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(02F031) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = -20.000
 AILRON = .000 BOFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 417/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.385	-5.007	-10.00000	-20.01000	-19.91600	-19.90900	-10.01000	.00770	-.15000
1.391	.056	-10.11000	-20.02100	-19.92700	-19.90900	-9.91130	.01780	-.14180
1.389	2.615	-10.22000	-20.02100	-19.92700	-19.90900	-9.80130	.01780	-.14180
1.388	5.126	-10.22000	-20.02100	-19.92700	-19.90900	-9.80130	.01780	-.14180
1.387	7.254	-10.22000	-20.02100	-19.92700	-19.91900	-9.80130	.00710	-.14180
1.386	8.204	-10.11000	-20.03300	-19.92700	-19.91900	-9.92300	.00710	-.14180
1.382	10.341	-10.11000	-20.03300	-19.92700	-19.91900	-9.92300	.00710	-.14180
1.380	12.361	-10.22000	-20.03300	-19.92700	-19.91900	-9.81300	.00710	-.12540
1.383	15.399	-10.22000	-20.03300	-19.92700	-19.91900	-9.81300	.00000	.00000
	GRADIENT	-.04299	.00000	-.00000	.00000	.04299		

AMES 118-1-11 OAI45A 01

(02F032) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = -30.000
 AILRON = .000 BOFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 406/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.600	-4.915	-30.04400	-30.05400	-29.81200	-30.00200	-.01050	-.18960	-.08430
.600	.061	-30.04400	-30.05400	-29.81200	-30.01400	-.01050	-.20210	-.09250
.599	2.671	-30.05400	-30.06500	-29.81200	-30.01400	-.01120	-.20210	-.09250
.599	4.993	-30.06400	-30.06500	-29.81200	-30.01400	-.00110	-.20210	-.09250
.599	6.990	-30.07400	-30.05400	-29.81200	-30.01400	.01980	-.20210	-.09250
.598	7.990	-30.07400	-30.06500	-29.81200	-30.01400	.00900	-.20210	-.09250
.598	10.103	-30.06400	-30.05400	-29.81200	-30.01400	.00970	-.20210	-.09250
.598	11.990	-30.06400	-30.05400	-29.81200	-30.01400	.00970	-.20210	-.09250
.596	15.027	-30.06400	-30.05400	-29.81200	-30.01400	.00970	-.20210	-.08430
	GRADIENT	-.00194	-.00127	.00000	-.00124	.00072	-.00129	-.00085

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(02F032) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

BETA = .000 ELEVON = -30.000
 AILRON = .000 BOFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 410/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.800	-5.011	-30.07400	-31.10400	-29.81200	-30.01400	-1.03040	-20210	-1.1710
.799	.051	-30.10400	-31.10400	-29.81200	-30.01400	-1.00010	-20210	-1.0890
.801	2.562	-30.11400	-31.10400	-29.81200	-30.01400	-.99000	-20210	-1.0890
.799	5.077	-30.12500	-31.10400	-29.81200	-30.01400	-.97990	-20210	-1.0890
.800	7.135	-30.12500	-31.10400	-29.80200	-30.01400	-.97990	-21200	-1.0890
.799	8.176	-30.13500	-31.11500	-29.80200	-30.01400	-.98000	-21200	-1.0070
.798	10.260	-30.12500	-31.11500	-29.80200	-30.01400	-.98010	-21200	-1.0070
.797	12.328	-30.13500	-31.11500	-29.80200	-30.01400	-.98000	-21200	-1.0070
.797	15.372	-30.12500	-31.10400	-29.80200	-30.01400	-.97990	-21200	-1.0070
GRADIENT		-.00398	.00000	.00000	.00000	.00402	.00000	.00000

RUN NO. 391/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.900	-5.355	-30.08400	-30.04400	-29.83200	-30.02700	.04060	-19490	-1.01020
.901	.027	-30.08400	-30.04400	-29.84200	-30.01400	.04060	-17240	.09340
.903	2.544	-30.08400	-30.05400	-29.84200	-30.00200	.02990	-15990	.14540
.903	5.069	-30.08400	-30.04400	-29.84200	-30.00200	.04060	-15990	.29070
.902	7.149	-30.08400	-30.05400	-29.84200	-29.98900	.02990	-14730	.22840
.900	8.195	-30.08400	-30.04400	-29.84200	-29.97700	.04060	-13480	.15570
.897	10.245	-30.09400	-30.05400	-29.84200	-29.96400	.04000	-12220	.00000
.900	12.334	-30.09400	-30.05400	-29.84200	-29.95100	.04000	-10960	-.02040
.900	15.369	-30.09400	-30.04400	-29.84200	-29.92600	.05070	-.08450	-.16310
GRADIENT		.00000	-.00397	.00000	.00477	-.00425	.00497	.02066

RUN NO. 396/ 0 RN/L = 4.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.948	-5.067	-30.06400	-30.05400	-29.83200	-30.01400	.00970	-18230	-.23440
.949	-4.312	-30.07400	-30.05400	-29.83200	-30.00200	.01980	-16980	-.33630
.950	.014	-30.07400	-30.05400	-29.83200	-30.01400	.01980	-18230	.01040
.952	2.537	-30.07400	-30.05400	-29.83200	-30.00200	.01980	-18230	.01040
.952	5.068	-30.07400	-30.05400	-29.83200	-30.00200	.01980	-16980	.20770
.952	7.127	-30.07400	-30.06500	-29.83200	-30.01400	.00900	-18230	.14540
.949	8.181	-30.07400	-30.06500	-29.83200	-30.01400	.00900	-18230	.10380
.948	10.257	-30.07400	-30.06500	-29.83200	-30.01400	.00900	-18230	.36340
.950	12.340	-30.07400	-30.06500	-29.83200	-30.01400	.00900	-18230	.33220
.948	15.388	-30.07400	-30.06500	-29.83200	-30.01400	.00900	-18230	.15570
GRADIENT		.00000	.00000	.00000	-.00186	-.00000	-.00194	.05382

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ANES 118-1-11 OAI45A 01

(02F032) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

BETA = .000 ELEVON = -30.000
 AILRON = .000 BOFLAP = .000
 SPDRK = 25.000 RUDDER = .000
 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 430/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.199	-5.156	-30.07400	-30.04400	-29.92100	-30.05200	.03050	-.13050	-.13360
1.216	-.053	-30.11400	-30.05400	-29.91200	-30.03900	.06020	-.12730	-.13360
1.207	2.542	-30.11400	-30.05400	-29.91200	-30.03900	.06020	-.13980	-.13360
1.200	5.103	-30.12500	-30.05400	-29.92100	-30.05200	.07030	-.13050	-.13360
1.199	7.185	-30.12500	-30.05400	-29.91200	-30.05200	.07030	-.13980	-.13360
1.199	8.259	-30.12500	-30.05400	-29.91200	-30.05200	.07030	-.13980	-.13360
1.195	10.284	-30.12500	-30.06500	-29.91200	-30.05200	.05960	-.13980	-.13360
1.193	12.245	-30.12500	-30.06500	-29.92100	-30.05200	.05960	-.13050	-.14180
1.187	15.258	-30.12500	-30.06500	-29.92100	-30.05200	.05960	-.13050	-.13360
GRADIENT		.00000	-.00000	.00000	-.00501	.00000	-.00482	.00000

RUN NO. 425/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.297	-5.074	-30.09400	-30.05400	-29.91200	-30.03900	.04000	-.12730	-.15000
1.295	-.059	-30.11400	-30.05400	-29.92100	-30.03900	.06020	-.11800	-.15000
1.298	2.504	-30.11400	-30.05400	-29.92100	-30.03900	.06020	-.11800	-.15000
1.297	5.048	-30.12500	-30.06500	-29.92100	-30.03900	.05960	-.11800	-.14180
1.295	7.132	-30.12500	-30.06500	-29.92100	-30.03900	.05960	-.11800	-.14180
1.296	8.194	-30.06400	-30.07600	-29.92100	-30.03900	-.01180	-.11800	-.15000
1.296	10.286	-30.06400	-30.06500	-29.92100	-30.03900	-.00110	-.11800	-.14180
1.297	12.301	-30.07400	-30.06500	-29.93100	-30.05200	.00900	-.12120	-.14180
1.295	15.339	-30.07400	-30.07600	-29.92100	-30.05200	-.00170	-.13050	-.14180
GRADIENT		.00000	.00000	.00000	.00000	-.00000	-.00000	.00000

RUN NO. 424/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.400	-5.098	-30.07400	-30.03300	-29.91200	-30.03900	.04120	-.12730	-.15000
1.405	-.047	-30.09400	-30.04400	-29.91200	-30.03900	.05070	-.12730	-.15000
1.405	2.518	-30.09400	-30.04400	-29.92100	-30.03900	.05070	-.11800	-.15000
1.403	5.044	-30.09400	-30.04400	-29.92100	-30.03900	.05070	-.11800	-.15000
1.401	7.129	-30.09400	-30.04400	-29.92100	-30.03900	.05070	-.11800	-.14180
1.400	8.183	-30.09400	-30.05400	-29.92100	-30.03900	.04000	-.11800	-.15000
1.398	10.240	-30.09400	-30.05400	-29.92100	-30.03900	.04000	-.11800	-.15000
1.399	12.285	-30.09400	-30.06500	-29.92100	-30.03900	.02930	-.11800	-.15000
1.400	15.327	-30.10400	-30.06500	-29.92100	-30.03900	.03940	-.11800	-.15000
GRADIENT		-.00000	.00000	-.00351	-.00000	.00000	.00363	.00000

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

AMES 118-1-11 OAI45A 01

(08F033) (22 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 AILRON = .000 BOFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 261/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.600	-30.001	-30.08400	-30.07600	-29.84200	-30.00200	.00840	-.15990	.00000
.599	-19.959	-20.01000	-20.01000	-19.91600	-19.89800	.00040	.01840	.00000
.600	-15.001	-15.14000	-14.95500	-14.98400	-14.92600	.18560	.05750	.00000
.599	-9.929	-9.99040	-9.91270	-9.89110	-9.92080	.07770	-.02970	.00000
.599	-5.990	-6.04600	-5.84480	-6.08000	-5.88920	.20120	.09080	.00000
.599	-3.980	-4.15140	-3.85610	-3.96790	-3.94310	.29530	.02480	.00000
.599	-1.972	-2.00840	-1.94070	-1.97040	-1.97020	.06770	.00020	.00000
.599	.015	.01700	.00000	.03450	.00990	-.01700	-.02460	.00000
.599	1.964	1.98430	2.01440	1.87700	1.97980	.03010	.10280	.00000
.599	3.939	3.96180	3.91270	3.78000	4.10130	-.04910	.32130	.00000
.599	5.890	6.12440	5.81910	5.52570	6.09180	-.30530	.56610	.00000
.599	9.908	10.18200	10.14200	9.32050	9.98610	-.04050	.86560	.00000
.599	14.678	15.01500	15.03300	13.63400	15.02800	.01800	1.39410	.00000
.599	GRADIENT	1.02261	.98575	.97831	1.01337	-.03586	.03506	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 68/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.599	-10.101	-10.27500	-9.94590	-10.38200	-9.80200	.32870	.57970	-.02040
.599	-8.095	-8.15490	-7.86920	-8.38380	-7.97030	.28570	.41350	-.02040
.599	-6.046	-6.16680	-5.85470	-6.26000	-5.90280	.31210	.35720	-.02040
.599	-4.011	-4.16780	-3.84570	-4.09800	-3.93170	.32200	.16630	-.01020
.598	-2.987	-3.18080	-2.89000	-3.04640	-2.83260	.29080	.21380	-.01020
.598	-2.017	-2.17470	-1.98230	-1.97040	-1.94080	.19240	.02960	.00000
.598	-.991	-1.09360	-.97920	-.96000	-.92930	.11440	.03070	.00000
.598	-.075	-.08080	-.06830	-.12000	-.03030	.01250	.08970	.00000
.597	.975	.85910	.83620	1.12550	1.08080	-.02290	-.04470	.00000
.597	1.975	2.01640	1.82180	2.04240	2.02000	-.19460	-.02240	.00000
.597	2.954	3.00530	2.73920	2.98140	3.09000	-.26610	.10860	.00000
.597	3.935	4.08420	3.63540	3.93000	4.09210	-.44880	.16210	.00000
.597	5.909	6.21260	5.57460	5.76630	6.08160	-.63800	.31530	.00000
.597	8.130	8.35990	8.02330	7.98880	8.14680	-.33660	.15800	.00000
.597	10.064	10.40800	9.92000	9.89700	10.03300	-.48780	.13560	.00000
.598	GRADIENT	1.03924	.94415	1.01264	1.00398	-.09508	-.00866	.00120

RUN NO. 105/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.799	-10.182	-10.25500	-10.00100	-10.47100	-10.00000	.25360	.47140	-.02040
.800	-8.099	-8.18080	-7.91000	-8.34340	-7.96040	.27080	.38300	-.02040
.800	-6.164	-6.22250	-5.89430	-6.46000	-6.08080	.32820	.37920	-.01020
.799	-4.110	-4.29840	-3.91850	-4.21390	-4.00920	.37990	.20470	-.01020
.799	-3.053	-3.19980	-2.95000	-3.15360	-2.90690	.24980	.24660	-.01020
.800	-2.077	-2.13640	-2.00310	-2.11720	-2.04960	.13320	.06760	-.01020
.800	-1.069	-1.11440	-1.03510	-1.08650	-1.03920	.07820	.04730	-.01020
.799	-.031	-.08080	-.03420	.00000	-.01010	.04650	-.01010	.00000
.800	.936	.85910	.90760	1.04510	.93070	.04850	-.11450	-.02040
.799	1.923	1.85570	1.93950	1.96890	1.92930	.08380	-.03960	-.02040
.800	2.944	2.98180	2.95960	2.95350	2.98000	.07780	.02650	-.02040
.799	3.960	3.90060	3.86320	4.03660	4.03680	-.03740	-.00280	-.02040
.799	5.949	6.07540	5.78150	5.90000	6.04080	-.29390	.14080	-.03060
.799	8.001	7.86580	8.19390	8.00640	7.93660	.32810	-.06970	-.03060
.799	10.055	10.18200	10.11100	9.96730	9.95820	-.07110	-.00910	-.03060
.799	GRADIENT	1.01206	.97357	1.02266	.99171	-.03848	-.03095	-.00168

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 471.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 AILRON = .000 BDELAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 104/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DECLL	DELR	DRHL
.899	-10.207	-10.25500	-10.03500	-10.50500	-10.03400	.22030	.47150	.01040
.901	-8.103	-8.18940	-7.92020	-8.34340	-7.96040	.26920	.38300	.01040
.900	-6.167	-6.23180	-5.91410	-6.44000	-6.08080	.31770	.35920	.01040
.900	-4.110	-4.30650	-3.91850	-4.17820	-4.03680	.38800	.14140	.01040
.900	-3.055	-3.21880	-2.95000	-3.14290	-2.90690	.26880	.23590	.01040
.900	-2.074	-2.14600	-2.01350	-2.09760	-2.04090	.13240	.05670	.01040
.900	-1.069	-1.11440	-1.04750	-1.06730	-1.04900	.06880	.01830	.02080
.900	-.031	-.07070	-.03420	-.01000	-.01010	.03650	-.00010	.00000
.899	.934	.83300	.93820	1.04510	.92080	.10520	-.12440	.00000
.900	1.942	1.87710	1.97160	2.98140	2.93940	.09450	-.03870	.00000
.899	2.958	2.90240	2.95960	3.98140	3.99000	.05720	.00860	.00000
.900	3.975	3.91080	3.86320	4.06930	4.05520	-.04760	-.01410	.00000
.899	5.958	6.06560	5.78150	5.94440	6.04080	-.28410	.09640	.00000
.900	8.006	7.84960	8.17590	8.05030	7.94750	.32630	-.10280	.00000
.900	10.067	10.16900	10.11100	10.02000	9.96750	-.05780	-.05250	.00000
GRADIENT		1.01348	.97343	1.02006	.99303	-.04005	-.02703	-.00189

RUN NO. 67/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DECLL	DELR	DRHL
.952	-10.077	-10.25500	-9.93490	-10.31400	-9.80200	.32010	.51230	-.03060
.951	-8.071	-8.16350	-7.86920	-8.26260	-7.99010	.29430	.27250	-.04080
.952	-6.022	-6.15750	-5.85470	-6.14000	-5.93520	.30280	.20480	-.04080
.953	-4.003	-4.17590	-3.84570	-4.03560	-3.95450	.33020	.08120	-.04080
.951	-2.954	-3.19080	-2.88000	-2.91080	-2.82390	.31980	.08690	-.03060
.953	-1.993	-2.16520	-1.96150	-1.91270	-1.93100	.20360	-.01830	-.02040
.952	-1.029	-1.09360	-.97920	-1.11530	-.92930	.11440	.18600	-.02040
.952	-.091	-.08080	-.02280	-.26000	.00000	.05800	.26000	-.02040
.953	.904	.87730	.85660	.79250	1.09090	.02070	.29840	-.04080
.952	1.937	2.01640	1.84320	1.85860	2.03000	-.17320	.17140	-.04080
.952	2.920	3.02590	2.76120	2.81400	3.08000	-.26470	.26600	-.03060
.953	3.895	4.08420	3.64530	3.72000	4.12890	-.43890	.40890	-.04080
.953	5.914	6.21260	5.60280	5.81090	6.03060	-.60980	.21970	-.04080
.953	8.132	8.36800	8.04120	7.96040	8.15850	-.32680	.19810	-.04080
.952	10.055	10.40800	9.92000	9.87940	10.01400	-.48780	.13460	-.04080
GRADIENT		1.05154	.95460	.97719	1.01667	-.09694	.03947	-.00104

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OAI45 TABULATED FORCE DATA

(D2F034) (16 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 BETA = .000
LREF = 474.8100 INCHFS YMRP = .0300 IN. YO AILRON = .000 BDFLAP = .000
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPOBRK = 25.000 RUDDER = .000
SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 437/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.099	-9.974	-10.01000	-9.89050	-10.08600	-9.91090	.11950	.17550	-.15000
1.101	-7.958	-8.00820	-7.81820	-8.11410	-7.89110	.19000	.22300	-.15000
1.101	-6.005	-6.04600	-5.83490	-6.14900	-5.98920	.21110	.15980	-.15000
1.101	-3.989	-4.16780	-3.83530	-4.01000	-3.94310	.33240	.06690	-.15000
1.101	-2.940	-3.04760	-2.86000	-3.02000	-2.83260	.18760	.18740	-.14180
1.100	-1.982	-1.99800	-1.91990	-2.02040	-1.98870	.07810	.03170	-.14180
1.101	-.989	-.97980	-.95640	-1.04860	-.96970	.02340	.07890	-.14180
1.101	.020	.01700	.02040	.01150	.02970	.00340	.01820	-.14180
1.101	1.008	.94110	.99940	1.15000	.94060	.05830	-.20940	-.14180
1.102	2.004	1.96290	2.01440	2.04880	1.98990	.05150	-.05890	-.15000
1.101	3.033	2.98470	3.03670	3.16950	2.94000	.05200	-.22950	-.14180
1.100	4.024	3.97200	3.92260	4.11010	4.09210	-.04940	-.01800	-.15000
1.100	5.985	6.11460	5.82850	5.90500	6.09180	-.28610	.18680	-.14180
1.100	8.013	7.88200	8.24780	7.93300	7.99110	.36580	.05810	-.14180
1.100	10.074	10.16900	10.14900	9.99350	9.98610	-.01960	-.00740	-.14180
GRADIENT		1.00932	.97675	1.02412	.98983	-.03256	-.03429	-.00027

RUN NO. 88/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.199	-10.208	-10.23500	-10.04600	-10.53900	-10.01100	.18970	.52760	-.05100
1.199	-8.123	-8.19800	-7.94060	-8.37370	-7.98020	.25740	.39350	-.04080
1.199	-6.177	-6.22250	-5.94380	-6.46000	-6.08080	.27870	.37920	-.05100
1.198	-4.125	-4.29840	-3.94970	-4.20500	-4.04600	.34870	.15900	-.05100
1.199	-3.069	-3.20930	-2.97000	-3.15360	-2.94110	.23930	.21250	-.05100
1.198	-2.096	-2.15560	-2.03430	-2.13680	-2.05830	.12120	.07850	-.05100
1.199	-1.085	-1.11440	-1.08170	-1.08650	-1.05880	.03270	.02770	-.04080
1.200	-.048	-.07070	-.07970	-.01000	-.03030	-.00900	-.02030	-.04080
1.199	.917	.85000	.87700	1.02220	.92080	.02700	-.10140	-.05100
1.198	1.509	1.87710	1.91810	1.93210	1.90910	.04100	-.02300	-.05100
1.199	2.933	2.90240	2.91550	2.94420	2.97000	.01320	.02580	-.05100
1.199	3.933	3.87000	3.81370	4.00990	4.03680	-.05630	.02690	-.05100
1.199	6.176	6.08520	5.74390	6.83330	6.04080	-.34130	-.79250	-.04080
1.199	7.920	7.86580	8.17590	7.94080	7.93660	.31010	-.00420	-.05100
1.198	10.028	10.16900	10.08800	9.91450	9.93960	-.08070	.02510	-.05100
GRADIENT		1.01316	.97216	1.01913	.99556	-.04099	-.02357	-.00016

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OAI45 TABULATED FORCE DATA

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(02F034) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SO.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
AILRON = .000 BOFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 80/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.299	-10.070	-10.27500	-9.95700	-10.25800	-9.79210	.31760	.46610	.00000
1.298	-8.047	-8.15490	-7.83860	-8.36360	-7.83170	.31630	.53200	.00000
1.299	-6.019	-6.16680	-5.86460	-6.11000	-5.93520	.30220	.17480	.00000
1.298	-3.995	-4.19220	-3.84570	-3.98930	-3.95450	.34650	.03480	.00000
1.299	-2.942	-3.19030	-2.87000	-2.89120	-2.81520	.32030	.07600	.00000
1.299	-1.973	-2.15560	-1.95110	-1.85510	-1.93100	.20440	-.07590	.00000
1.299	-.971	-1.12480	-.99060	-.84000	-.92930	.13420	-.08930	.00000
1.300	-.055	-.10100	-.06830	-.03000	-.02020	.03270	.00980	.00000
1.298	1.028	.86820	.85660	1.29790	1.09090	-.01160	-.20700	.01040
1.298	2.027	2.01640	1.83250	2.23740	2.02000	-.18390	-.21740	.00000
1.298	3.027	3.01560	2.76120	3.25000	3.08000	-.25440	-.17000	.00000
1.298	4.029	4.06380	3.64530	4.27720	4.12890	-.41850	-.14830	.00000
1.297	6.028	6.19300	5.61220	6.27780	6.03060	-.58080	-.24720	.01040
1.297	8.232	8.36800	8.04120	8.38420	8.13510	-.32680	-.24910	.00000
1.296	10.133	10.36800	9.93530	10.19600	10.03300	-.43270	-.16320	.00000
GRADIENT		1.03283	.93774	1.03035	.99908	-.09508	-.03128	.00017

RUN NO. 151/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.402	-10.205	-10.24500	-10.02400	-10.52800	-10.02200	.22160	.50520	-.08150
1.404	-8.123	-8.19800	-7.94060	-8.38380	-7.97030	.25740	.41350	-.07130
1.404	-6.172	-6.23180	-5.92400	-6.45000	-6.08080	.30780	.36920	-.07130
1.403	-4.119	-4.30650	-3.92890	-4.21390	-4.02760	.37760	.18630	-.08150
1.403	-3.050	-3.19980	-2.95000	-3.14290	-2.90690	.24980	.23590	-.08150
1.403	-2.087	-2.15560	-2.02390	-2.12700	-2.04090	.13160	.08610	-.07130
1.402	-1.072	-1.11440	-1.04750	-1.07690	-1.04900	.06680	.02790	-.07130
1.403	-.039	-.07070	-.04550	-.01000	-.03030	.02520	-.02030	-.07130
1.403	.932	.85910	.90760	1.02220	.94060	.04850	-.08160	-.07130
1.402	1.912	1.86640	1.93950	1.91370	1.92930	.07310	.01560	-.07130
1.402	2.931	2.89210	2.93750	2.91630	2.98000	.04550	.06370	-.07130
1.401	3.940	3.89040	3.86320	3.96000	4.04600	-.02720	.08600	-.07130
1.401	5.916	6.07540	5.77210	5.77520	6.04080	-.30330	.26560	-.07130
1.401	7.958	7.85770	8.19390	7.82320	7.95840	.33620	.13520	-.07130
1.401	10.008	10.18200	10.11100	9.79150	9.94890	-.07110	.15740	-.07130
GRADIENT		1.01496	.97550	1.01450	.99506	-.03945	-.01943	.00119

OAI45 TABULATED FORCE DATA

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(DEF034) (16 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
AILRON = .000 BDFLAP = .000
SPOBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 437/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.099	-9.974	-10.01000	-9.89050	-10.08600	-9.91090	.11950	.17550	-.15000
1.101	-7.958	-8.00820	-7.81820	-8.11410	-7.89110	.19000	.22300	-.15000
1.101	-6.005	-6.04600	-5.83490	-6.14900	-5.98920	.21110	.15980	-.15000
1.101	-3.989	-4.16780	-3.83530	-4.01000	-3.94310	.33240	.06690	-.15000
1.101	-2.940	-3.04760	-2.86000	-3.02000	-2.83260	.18760	.18740	-.14180
1.100	-1.982	-1.99800	-1.91990	-2.02040	-1.98870	.07810	.03170	-.14180
1.101	-.989	-.97980	-.95640	-1.04860	-.96970	.02340	.07890	-.14180
1.101	.020	.01700	.02040	.01150	.02970	.00340	.01820	-.14180
1.101	1.008	.94110	.99940	1.15000	.94060	.05830	-.20940	-.14180
1.102	2.004	1.96290	2.01440	2.04880	1.98990	.05150	-.05890	-.15000
1.101	3.033	2.98470	3.03670	3.16950	2.94000	.05200	-.22950	-.14180
1.100	4.024	3.97200	3.92260	4.11010	4.09210	-.04940	-.01800	-.15000
1.100	5.985	6.11460	5.82850	5.90500	6.09180	-.28610	.18680	-.14180
1.100	8.013	7.88200	8.24780	7.93300	7.99110	.36580	.05810	-.14180
1.100	10.074	10.16900	10.14900	9.99350	9.98610	-.01960	-.00740	-.14180
GRADIENT		1.00932	.97675	1.02412	.98983	-.03256	-.03429	-.00027

RUN NO. 88/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.199	-10.208	-10.23500	-10.04600	-10.53900	-10.01100	.18970	.52760	-.05100
1.199	-8.123	-8.19800	-7.94060	-8.37370	-7.98020	.23740	.39350	-.04080
1.199	-6.177	-6.22250	-5.94380	-6.46000	-6.08080	.27870	.37920	-.05100
1.198	-4.125	-4.29840	-3.94970	-4.20500	-4.04600	.34870	.15900	-.05100
1.199	-3.069	-3.20930	-2.97000	-3.15360	-2.94110	.29330	.21250	-.05100
1.198	-2.096	-2.15560	-2.03430	-2.13680	-2.05830	.12120	.07850	-.05100
1.199	-1.085	-1.11440	-1.08170	-1.08650	-1.05880	.03270	.02770	-.04080
1.200	-.048	-.07070	-.07970	-.01000	-.03030	-.00900	-.02030	-.04080
1.199	.917	.85000	.87700	1.02220	.92080	.04700	-.10140	-.05100
1.198	1.509	1.87710	1.91810	1.93210	1.90910	.04100	-.02300	-.05100
1.199	2.933	2.90240	2.91550	2.94420	2.97000	.01320	.02580	-.05100
1.199	3.933	3.87000	3.81370	4.00990	4.03680	-.05630	.02690	-.05100
1.199	6.176	6.08520	5.74390	6.83330	6.04080	-.34130	-.79250	-.04080
1.199	7.980	7.86580	8.17590	7.94080	7.93660	.31010	-.00420	-.05100
1.198	10.028	10.16900	10.08800	9.91450	9.93960	-.08070	.02510	-.05100
GRADIENT		1.01316	.97216	1.01913	.99556	-.04099	-.02357	-.00016

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(02F034) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
AILRON = .000 BOFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 80/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.299	-10.070	-10.27500	-9.95700	-10.25800	-9.79210	.31760	.46610	.00000
1.298	-8.047	-8.15490	-7.83860	-8.36360	-7.83170	.31630	.53200	.00000
1.299	-6.019	-6.16680	-5.86460	-6.11000	-5.93520	.30220	.17480	.00000
1.298	-3.995	-4.19220	-3.84570	-3.98930	-3.95450	.34650	.03480	.00000
1.299	-2.942	-3.19030	-2.87000	-2.89120	-2.81520	.32030	.07600	.00000
1.299	-1.973	-2.15560	-1.95110	-1.85510	-1.93100	.20440	-.07590	.00000
1.299	-.971	-1.12480	-.99060	-.84000	-.92930	.13420	-.08930	.00000
1.300	-.055	-.10100	-.06830	-.03000	-.02020	.03270	.00980	.00000
1.298	1.028	.86820	.85660	1.29790	1.09090	-.01160	.01040	.00000
1.298	3.027	2.01640	1.83250	2.23740	2.02000	-.18390	-.21740	.00000
1.298	4.029	3.01560	2.76120	3.25000	3.08000	-.25440	-.17000	.00000
1.298	6.028	4.06380	3.64530	4.27720	4.12890	-.41850	-.14830	.00000
1.297	8.232	6.19300	5.61220	6.27780	6.03060	-.58080	-.24720	.01040
1.296	10.133	8.36800	8.04120	8.38420	8.13510	-.32680	-.24910	.00000
GRADIENT		10.36800	9.93530	10.19600	10.03300	-.43270	-.16320	.00000
		1.03283	.93774	1.03035	.99908	-.09508	-.03128	.00017

RUN NO. 151/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.402	-10.205	-10.24500	-10.02400	-10.52800	-10.02200	.22160	.50520	-.08150
1.404	-8.123	-8.19800	-7.94060	-8.38380	-7.97030	.25740	.41350	-.07130
1.404	-6.172	-6.23180	-5.92400	-6.45000	-6.08080	.30780	.36920	-.07130
1.403	-4.119	-4.30650	-3.92890	-4.21390	-4.02760	.37760	.18630	-.08150
1.403	-3.050	-3.19980	-2.95000	-3.14290	-2.90690	.24980	.23590	-.08150
1.403	-2.087	-2.15560	-2.02390	-2.12700	-2.04090	.13160	.08610	-.07130
1.402	-1.072	-1.11440	-1.04750	-1.07690	-1.04900	.06680	.02790	-.07130
1.403	-.039	-.07070	-.04550	-.01000	-.03030	.02520	-.02030	-.07130
1.403	.932	.85910	.90760	1.02220	.94060	.04850	-.08160	-.07130
1.402	1.912	1.86640	1.93950	1.91370	1.92930	.07310	.01560	-.07130
1.402	2.931	2.89210	2.93750	2.91630	2.98000	.04550	.06370	-.07130
1.401	3.940	3.89040	3.86320	3.96000	4.04600	-.02720	.08600	-.07130
1.401	5.916	6.07540	5.77210	5.77520	6.04080	-.30320	.26560	-.07130
1.401	7.958	7.85770	8.19390	7.82320	7.95840	.33620	.13520	-.07130
1.401	10.008	10.18200	10.11100	9.79150	9.94890	-.07110	.15740	-.07130
GRADIENT		1.01496	.97550	1.01450	.99506	-.03945	-.01943	.00119

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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AMES 119-1-11 OAI45A 01

(02F035) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = .000 BETA = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO AILRON = .000 BDFLAP = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPDBRK = 25.000 RUDDER = .000
 SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 443/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00									
MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL	
.897	-9.972	-9.97080	-9.90160	-10.08600	-9.93070	.08920	.15570	-.14180	
.901	-7.958	-7.99960	-7.82840	-8.10350	-7.90100	.17120	.20250	-.14180	
.901	-6.010	-6.04600	-5.84480	-6.14900	-6.00000	.20120	.14900	-.14180	
.900	-3.990	-4.15960	-3.85610	-4.00000	-3.94310	.30350	.05690	-.14180	
.901	-2.952	-3.06660	-2.87000	-3.03000	-2.84130	.19660	.18870	-.14180	
.901	-1.984	-1.99800	-1.94070	-2.01020	-1.98870	.05730	.02150	-.14180	
.901	-.991	-.97980	-.96780	-1.04860	-.96970	.01200	.07890	-.13360	
.901	.020	.01700	.02040	.01150	.02970	.00340	.01820	-.13360	
.901	1.003	.94110	.98920	1.08100	1.00000	.04810	-.08100	-.13360	
.902	2.004	1.96290	2.01440	2.04880	1.98990	.05150	-.05890	-.14180	
.900	3.017	2.96410	3.00370	3.16950	2.93000	.03960	-.23950	-.13360	
.901	4.014	3.96180	3.92260	4.09030	4.08290	-.03920	-.00740	-.13360	
.901	5.974	6.12440	5.80970	5.88200	6.08160	-.31470	.19960	-.13360	
.900	8.005	7.86580	8.23880	7.92320	7.99110	.37300	.06790	-.13360	
.900	10.075	10.16900	10.13400	9.93350	10.00500	-.03490	.01120	-.13360	
	GRADIENT	1.00878	.97844	1.02191	.99087	-.03033	-.03104	.00096	

RUN NO. 440/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00									
MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL	
.950	-9.985	-10.00000	-9.91270	-10.09600	-9.93070	.08750	.16500	-.13360	
.954	-7.958	-7.99960	-7.82840	-8.10350	-7.90100	.17120	.20250	-.13360	
.953	-6.003	-6.03670	-5.82500	-6.14900	-6.00000	.21170	.14900	-.13360	
.952	-3.987	-4.15960	-3.84570	-4.00000	-3.94310	.31380	.05690	-.13360	
.951	-2.950	-3.05710	-2.88000	-3.02000	-2.84130	.17710	.17870	-.14180	
.952	-1.985	-2.00840	-1.94070	-2.01020	-1.98000	.06770	.03020	-.14180	
.952	-.991	-.97980	-.96780	-1.04860	-.96970	.01200	.07890	-.13360	
.952	.017	.01700	.02040	.01150	.01980	.00340	.00830	-.14180	
.951	1.006	.95020	.98920	1.09250	.99010	.03900	-.10240	-.14180	
.951	2.002	1.96290	2.01440	2.02860	2.00000	.05150	-.02860	-.14180	
.951	3.025	2.99500	3.01470	3.05210	3.04000	.01970	-.01210	-.13360	
.951	4.007	3.95160	3.91270	4.08040	4.08290	-.03890	.00250	-.13360	
.951	5.982	6.11460	5.82850	5.89350	6.09180	-.28610	.19830	-.13360	
.951	8.009	7.87390	8.22980	7.94280	7.99110	.35590	.04830	-.13360	
.950	10.071	10.16900	10.13400	9.98480	9.99540	-.03490	.01060	-.14180	
	GRADIENT	1.01006	.97852	1.01476	.99665	-.03153	-.01811	.00027	

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

PAGE 1338

AMES 118-1-11 0A145A 01

(02F036) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
 AILRON = .000 BOFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 442/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.899	-9.977	-9.9040	-9.90160	-10.09600	-9.92080	.08860	.17490	-10890
.902	-7.968	-8.00820	-7.82840	-8.14580	-7.89110	.17980	.25480	-11710
.901	-6.003	-6.03670	-5.82500	-6.14900	-6.00000	.21170	.14900	-11710
.899	-3.982	-4.15960	-3.83530	-3.98000	-3.95450	.32420	.02550	-10890
.902	-2.945	-3.04760	-2.88000	-3.02000	-2.83260	.16760	.18740	-11710
.900	-1.989	-1.99800	-1.93030	-2.03060	-1.99740	.06770	.03320	-11710
.900	-.986	-.95960	-.96780	-1.04860	-.96970	-.00820	.07890	-11710
.898	.012	.00850	.01020	.01150	.01980	.00170	.00830	-11710
.900	.997	.94110	.97900	1.06950	1.00000	.03790	-.06950	-10890
.901	2.001	1.96290	2.00370	2.04880	1.98900	.04080	-.05890	-10890
.901	3.026	2.98470	3.02570	3.05210	3.04000	.04100	-.01210	-10070
.900	4.015	3.97200	3.91270	4.09030	4.08290	-.05930	-.00740	-10070
.900	5.983	6.11460	5.80970	5.91650	6.09180	-.30490	.17530	-11710
.900	8.008	7.89010	8.22980	7.93300	7.98020	.33970	.04720	-10890
.901	10.074	10.15600	10.14200	10.00200	9.99540	-.01400	-.00680	-10890
	GRADIENT	1.00970	.97762	1.01517	.99753	-.03208	-.01764	.00178

RUN NO. 441/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.950	-9.969	-9.99040	-9.87940	-10.07700	-9.93070	.11100	.14640	-11710
.950	-7.958	-8.00820	-7.81820	-8.11410	-7.89110	.19000	.22300	-13360
.950	-6.002	-6.04600	-5.82500	-6.14900	-5.98920	.22100	.15980	-11710
.951	-3.981	-4.17590	-3.82490	-3.99000	-3.93170	.35100	.05830	-11710
.950	-2.945	-3.04760	-2.88000	-3.02000	-2.83260	.16760	.18740	-12540
.950	-1.977	-1.99800	-1.93030	-2.00000	-1.98000	.06770	.02000	-11710
.952	-.989	-.96970	-.96780	-1.05930	-.95960	.00190	.09970	-12540
.951	.012	.00850	.01020	.01150	.01980	.00170	.00830	-13360
.951	1.003	.95020	.98920	1.08100	.99010	.03900	-.09090	-12540
.950	2.004	1.97360	2.02510	2.03870	1.97980	.05150	-.05890	-13360
.950	3.023	2.97440	3.02570	3.05210	3.04000	.05130	-.01210	-11710
.950	4.017	3.96180	3.91270	4.11010	4.08290	-.04910	-.02720	-11710
.949	5.982	6.12440	5.81910	5.89350	6.09180	-.30530	.19830	-11710
.949	8.009	7.88200	8.22080	7.94280	7.99110	.33880	.04830	-11710
.949	10.067	10.15600	10.14200	9.98480	9.98610	-.01400	.00130	-11710
	GRADIENT	1.01052	.97804	1.01644	.99499	-.03248	-.02145	-.00013

AMES 118-1-11 0A145A 01

(D2F037) (22 JUL 77)

REFERENCE DATA

=	SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN. XO	ALPHA	=	5.000	BETA	=	2.000
=	LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. YO	AIRLON	=	.000	BDFLAP	=	.000
=	BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. ZO	SPOBRK	=	25.000	RUDDER	=	.000
=	SCALE	=	.0500						RN/L	=	5.000			

PARAMETRIC DATA

MACH	ELEVON	0/ 0	RN/L =	4.99	GRADIENT INTERVAL =	-5.00/	5.00	DELR	DRHL
.599	-29.998	-30.06400	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	-1.5990	.00000
.600	-19.961	-20.01000	-30.08600	-19.98600	-19.92700	-19.91900	-1.02250	.00710	.00000
.600	-15.003	-15.12900	-14.97500	-14.98400	-9.90100	-9.93070	.15390	.05750	.00000
.600	-9.931	-9.99040	-9.90160	-9.90160	-6.09000	-5.95760	.08880	-.02970	.00000
.599	-5.985	-6.03670	-5.84480	-5.84480	-3.95170	-3.95450	.19190	.12240	.00000
.599	-3.981	-4.16780	-3.84570	-3.84570	-1.97040	-1.97020	.32200	.00270	.00000
.599	-1.972	-2.00840	-1.94070	-1.94070	.04590	.00990	.06770	.00020	.00000
.599	.014	.00000	.00000	.00000	1.87700	2.00000	.00000	-.03600	.00000
.599	1.966	1.97360	2.01440	2.01440	3.78000	4.10130	.04080	.12300	.00000
.599	3.941	3.95160	3.93250	3.93250	5.51680	6.10200	-.01910	.32130	.00000
.598	5.888	6.12440	5.80370	5.80370	9.31180	9.99540	-.31470	.58520	.00000
.599	9.914	10.20900	10.14200	10.14200	13.61600	15.02800	-.06700	.68360	.00000
.598	14.673	15.01500	15.03300	15.03300	19.02800	21.01500	.01800	1.41190	.00000
GRADIENT		1.02215	.98617	.98617	.97669	1.01501	-.03597	.03830	.00000

MACH	ELEVON	0/ 0	RN/L =	5.02	GRADIENT INTERVAL =	-5.00/	5.00	DELR	DRHL
.800	-29.992	-30.06400	ELV-L0	ELV-L1	ELV-R0	ELV-R1	DELL	-0.19490	-0.04080
.800	-19.961	-20.01000	-30.04400	-30.04400	-29.83200	-30.02700	.02040	-0.1310	.00000
.800	-15.007	-15.15100	-20.01000	-20.01000	-19.90600	-19.91900	.00040	-0.0470	-0.05100
.801	-9.926	-10.00000	-14.97500	-14.97500	-14.97400	-14.92600	.17600	-0.2970	-0.04080
.800	-5.993	-6.02740	-9.91270	-9.91270	-9.88120	-9.91090	.08750	.09000	.06230
.800	-3.980	-4.17590	-5.85470	-5.85470	-6.09000	-6.00000	.17270	.02550	.00000
.801	-1.977	-2.00890	-3.93410	-3.85610	-3.95710	-3.93170	.31980	-0.2790	-0.05100
.800	.016	.00000	-1.95110	-1.95110	-1.96080	-1.98870	.05730	.02610	.03110
.800	1.966	1.97360	.00000	.00000	.04590	.01980	.00000	.11380	.00000
.799	3.942	3.96180	2.00370	2.00370	1.88620	2.00000	.03010	.30210	.01040
.799	5.892	6.10480	3.92260	3.92260	5.73000	4.03210	.03920	.56740	.03060
.799	9.905	10.15600	5.82850	5.82850	5.53700	6.10200	-27630	.65690	-0.1020
.799	14.689	15.00600	10.14900	10.14900	9.32920	9.98610	-0.0630	1.36060	-0.05100
GRADIENT			15.03300	15.03300	13.67800	15.03900	.02760	.03778	.00363
			.98607	.98607	.97754	1.01255	-.03778		

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

PAGE 1341

AMES 118-1-11 0A145A 01

(D2F037) (22 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BITA = 2.000
 AILRON = .000 BIFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 0/ 0		RN/L = 5.03		GRADIENT INTERVAL = -5.00/ 5.00	
MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI
1.097	-30.011	-30.06400	-30.04400	-29.92100	-30.01400
1.103	-19.975	-20.02000	-19.99800	-19.97500	-19.90900
1.102	-15.000	-15.14000	-14.94400	-14.98800	-14.92600
1.101	-9.975	-9.98060	-9.90160	-10.08600	-9.93070
1.100	-5.995	-6.02740	-5.81510	-6.14900	-5.98920
1.100	-3.986	-4.16780	-3.83530	-4.00000	-3.94310
1.102	-1.984	-1.98760	-1.93030	-2.03060	-1.98870
1.100	.015	.00850	.02040	.01150	.01980
1.100	2.007	1.96290	2.02510	2.03870	2.00000
1.101	4.024	3.96180	3.93650	4.12000	4.08290
1.100	5.980	6.11460	5.81910	5.89350	6.09180
1.099	10.071	10.15600	10.14900	9.99350	9.98610
1.098	15.007	14.99600	15.03300	14.96000	15.03900
GRADIENT		1.00984	.97392	1.01483	1.00142
					-.03591
					-.01342
					-.00109

RUN NO. 0/ 0		RN/L = 5.01		GRADIENT INTERVAL = -5.00/ 5.00	
MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI
1.204	-19.956	-19.99800	-20.01000	-19.92700	-19.89800
1.202	-14.999	-15.14000	-14.94400	-14.97400	-14.93600
1.202	-9.913	-10.00000	-9.89050	-9.86140	-9.90100
1.201	-5.990	-6.04600	-5.83490	-6.08000	-6.00000
1.201	-3.971	-4.15960	-3.83530	-3.94640	-3.94310
1.199	-1.970	-2.00840	-1.93030	-1.97040	-1.97020
1.200	.024	.00850	.02040	.04590	.01980
1.200	1.968	1.97360	2.01440	1.89540	1.98590
1.200	3.936	3.96180	3.91270	3.77000	4.10130
1.201	5.902	6.13420	5.82850	5.51360	6.10200
1.199	9.910	10.18200	10.14200	9.32920	9.98610
1.197	14.678	15.01500	15.03300	13.63400	15.02800
GRADIENT		1.02394	.98413	.97705	1.01491
					-.03980
					-.03784
					-.00157

DELTA		DELTA		DELTA	
DELTA	DELTA	DELTA	DELTA	DELTA	DELTA
-.09290	-.02400	-.02850	-.01200	-.02850	-.07270
-.06620	.02210	.03740	.19590	.03740	.09340
.06200	.19590	-.03960	.10970	-.03960	.11420
.15570	.07900	.08000	.21110	.08000	.06230
.15980	.21230	.00340	.32420	.00340	.04150
.05690	.33240	.00020	.07810	.00020	.03110
.04190	.05730	-.02610	.01190	-.02610	.04150
-.00830	.01190	.09450	.04080	.09450	.04150
-.03870	.06220	.33130	-.04910	.33130	.05190
-.03710	-.02930	.55850	-.30570	.55850	.07270
.19830	-.29550	.65690	-.04950	.65690	.04150
-.00740	-.00630	1.39410	.01800	1.39410	.10380
.07900	.03720	.03784	-.03980	.03784	.00157
-.01342	-.03591				

(02F037) (22 JUL 77)

ANES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = 2.000
AILRON = .000 BDFLAP = .000
SPDRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 0/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.299	-29.991	-30.07400	-30.07600	-29.81200	-30.00200	-00170	-18960	.01040
1.299	-19.957	-19.99200	-20.01000	-19.91600	-19.90900	-01800	.00770	.05190
1.299	-14.993	-15.12900	-14.95500	-14.97400	-14.91600	-17450	.05800	.05190
1.297	-9.931	-9.99040	-9.92380	-9.90100	-9.91090	.06660	-.00990	.05190
1.296	-5.987	-6.05530	-5.82500	-6.09000	-5.97840	.23030	.11160	.06230
1.296	-3.973	-4.15960	-3.84570	-3.96790	-3.92030	.31380	.04760	.05190
1.294	-1.905	-1.71730	-1.95110	-1.97040	-1.98000	-.23380	-.00960	.05190
1.296	.026	.01700	.00000	.04590	.03960	-.01700	-.00630	.05190
1.297	1.976	1.38430	2.02610	1.89540	2.00000	.04080	.10460	.05190
1.296	3.952	3.97200	3.92260	3.92000	4.09210	-.04940	.27210	.04150
1.296	5.896	6.10480	5.81910	5.57030	6.09180	-.28570	.52150	.06230
1.295	9.932	10.18200	10.14900	9.39020	10.00500	-.03280	.61450	.05190
1.294	14.709	15.03500	15.02200	13.74100	15.03900	-.01270	1.29830	.05190
GRADIENT		1.01229	.98872	.98530	1.01367	-.02356	.02837	-.00105

RUN NO. 0/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.400	-29.994	-30.07400	-30.05400	-29.83200	-30.01400	.01980	-16230	.00000
1.405	-19.956	-20.00000	-19.98600	-19.91600	-19.91900	.01380	-.00300	.03110
1.405	-14.994	-15.14000	-14.93400	-14.95400	-14.94700	.20520	.00750	.03110
1.404	-9.926	-9.98060	-9.89050	-9.91090	-9.92080	.09010	-.00990	.03110
1.404	-5.983	-6.03670	-5.83490	-6.07000	-5.98920	.20180	.08080	.04150
1.403	-3.971	-4.15960	-3.83530	-3.95710	-3.93170	.32420	.02550	.03110
1.404	-1.970	-2.01880	-1.93030	-1.96080	-1.97020	.08850	-.00940	.04150
1.403	.027	.03400	.01020	.03450	.02970	-.02380	-.00480	.04150
1.403	1.971	1.97360	2.01440	1.90450	1.98990	.04080	.08540	.03110
1.404	3.969	3.98220	3.94240	3.86000	4.09210	-.03980	.23210	.04150
1.404	5.910	6.10480	5.81910	5.62380	6.09180	-.28570	.46810	.04150
1.402	9.946	10.16900	10.14200	9.48600	9.98610	-.02720	.50010	.03110
1.401	14.747	15.01500	15.04500	13.91000	15.01700	.02950	1.10720	.03110
GRADIENT		1.02302	.98376	.98382	1.00941	-.03925	.02558	.00053

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OAI45 TABULATED FORCE DATA
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REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 ELEVON = -5.000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 785/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.597	-6.072	-4.96230	-4.91930	-4.93130	-4.93080	.04300	.00050	-.01040
.596	-1.992	-4.96230	-4.91930	-4.93130	-4.92000	.04300	.01130	-.01860
.596	-.944	-4.96230	-4.91930	-4.93130	-4.92000	.04300	.01130	-.01860
.597	.099	-4.96230	-4.91930	-4.93130	-4.92000	.04300	.00050	-.02680
.597	.607	-4.96230	-4.91930	-4.93130	-4.93080	.04300	.00050	-.15000
.597	1.128	-4.96230	-4.91930	-4.93130	-4.92000	.04300	.01130	-.15000
.597	2.168	-4.96230	-4.91930	-4.93130	-4.92000	.04300	.01130	-.14180
.597	3.196	-4.96230	-4.91930	-4.93130	-4.92000	.04300	.01130	-.15000
.597	4.223	-4.96230	-4.91930	-4.93130	-4.92000	.04300	.01130	-.12540
.596	6.254	-4.96230	-4.91930	-4.93130	-4.93080	.04300	.00050	-.15000
GRADIENT		-.00000	-.00000	-.00000	.00016	.00000	.00016	-.02301

RUN NO. 778/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.798	-6.223	-4.95270	-4.94150	-4.93130	-4.93080	.01120	.00050	-.14180
.798	-2.120	-4.95270	-4.93040	-4.93130	-4.94160	.02230	-.01030	-.19370
.799	-1.070	-4.95270	-4.94150	-4.93130	-4.94160	.01120	-.01030	-.21560
.799	.013	-4.95270	-4.94150	-4.93130	-4.93080	.01120	.00050	-.23740
.799	.535	-4.96230	-4.94150	-4.93130	-4.93080	.02080	.00050	-.23740
.799	1.070	-4.95270	-4.94150	-4.94260	-4.93080	.01120	.01180	-.17190
.799	2.130	-4.96230	-4.94150	-4.94260	-4.93080	.02080	.01180	-.15000
.799	3.178	-4.95270	-4.94150	-4.94260	-4.93080	.01120	.01180	-.10890
.798	4.217	-4.95270	-4.93040	-4.94260	-4.93080	.02230	.01180	-.13360
.798	6.285	-4.96230	-4.94150	-4.94260	-4.93080	.02080	.01180	-.15000
GRADIENT		-.00021	.00004	-.00237	.00177	.00024	.00414	.01705

RUN NO. 777/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.900	-6.256	-4.95270	-4.93040	-4.93130	-4.94160	.02230	-.01030	-.03500
.902	-2.129	-4.95270	-4.93040	-4.93130	-4.94160	.02230	-.01030	-.05960
.900	-1.074	-4.95270	-4.93040	-4.93130	-4.94160	.02230	-.01030	-.15000
.899	.014	-4.95270	-4.93040	-4.93130	-4.94160	.02230	-.01030	-.14180
.900	.537	-4.95270	-4.93040	-4.93130	-4.94160	.02230	-.01030	-.15000
.900	1.071	-4.95270	-4.93040	-4.93130	-4.94160	.02230	-.01030	-.15000
.899	2.135	-4.95270	-4.93040	-4.93130	-4.94160	.02230	-.01030	-.18280
.899	3.188	-4.96230	-4.93040	-4.93130	-4.94160	.03190	-.01030	-.14180
.899	4.232	-4.95270	-4.94150	-4.93130	-4.94160	.01120	-.01030	-.13360
.896	6.310	-4.96230	-4.93040	-4.93130	-4.94160	.03190	-.01030	-.15000
GRADIENT		-.00066	-.00113	-.00000	-.00000	-.00047	-.00000	-.00808

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OAI45 TABULATED FORCE DATA

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REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 ELEVON = -5.000
ATLRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 770/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.949	-6.262	-4.97190	-4.91930	-4.93130	-4.92000	.05260	.01130	-1.0890
.952	-2.139	-4.97190	-4.91930	-4.93130	-4.92000	.05260	.01130	-1.1360
.950	-1.076	-4.97190	-4.91930	-4.93130	-4.92000	.05260	.01130	-1.14180
.950	.016	-4.97190	-4.91930	-4.93130	-4.92000	.05260	.01130	-1.14180
.952	.539	-4.97190	-4.90820	-4.93130	-4.92000	.06370	.01130	-1.14180
.951	1.066	-4.97190	-4.91930	-4.93130	-4.92000	.05260	.01130	-1.15000
.950	2.141	-4.97190	-4.91930	-4.93130	-4.91080	.05260	.02050	-1.15000
.950	3.198	-4.97190	-4.91930	-4.93130	-4.91080	.05260	.02050	-1.15000
.949	4.244	-4.97190	-4.91930	-4.94260	-4.91080	.05260	.03180	-1.12540
.947	6.322	-4.97190	-4.91930	-4.94260	-4.91080	.05260	.03180	-1.1360
	GRADIENT	-.00000	-.00016	-.00115	.00189	-.00016	.00304	-.00001

RUN NO. 766/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.199	-6.262	-4.96230	-4.93040	-4.95390	-4.95240	.03190	.00150	-1.1360
1.201	-2.127	-4.95270	-4.93040	-4.95390	-4.95240	.02230	.00150	-1.14180
1.200	-1.071	-4.95270	-4.93040	-4.95390	-4.95240	.02230	.00150	-1.14180
1.200	.014	-4.95270	-4.93040	-4.95390	-4.95240	.02230	.00150	-1.15000
1.200	.538	-4.94310	-4.93040	-4.95390	-4.94160	.01270	.01230	-1.15000
1.200	1.070	-4.94310	-4.93040	-4.95390	-4.95240	.01270	.00150	-1.15000
1.200	2.131	-4.93350	-4.93040	-4.96520	-4.94160	.00310	.02360	-1.15000
1.199	3.186	-4.96230	-4.93040	-4.97650	-4.95240	.03190	.02410	-1.15000
1.197	4.233	-4.96230	-4.93040	-4.96520	-4.95240	.03190	.01280	-1.15000
1.196	6.319	-4.95270	-4.93040	-4.96520	-4.94160	.02230	.02360	-1.16090
	GRADIENT	-.00107	-.00000	-.00311	.00023	.00107	.00334	-.00134

RUN NO. 765/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.298	-6.272	-4.97190	-4.94150	-4.95390	-4.94160	.03040	.01230	-1.1360
1.301	-2.141	-4.97190	-4.94150	-4.96520	-4.94160	.03040	.02360	-1.14180
1.299	-1.076	-4.96230	-4.94150	-4.96520	-4.94160	.02080	.02360	-1.14180
1.299	.015	-4.96230	-4.94150	-4.96520	-4.94160	.02080	.02360	-1.14180
1.298	.539	-4.96230	-4.94150	-4.96520	-4.94160	.02080	.02360	-1.15000
1.297	1.067	-4.96230	-4.94150	-4.96520	-4.94160	.02080	.02360	-1.15000
1.296	2.140	-4.95270	-4.94150	-4.96520	-4.94160	.01120	.02360	-1.15000
1.296	3.196	-4.95270	-4.94150	-4.96520	-4.95240	.01120	.01280	-1.15000
1.296	4.249	-4.95270	-4.94150	-4.96520	-4.95240	.00160	.01280	-1.15000
1.294	6.329	-4.94310	-4.94150	-4.96520	-4.95240	.00160	.00159	-1.15000
	GRADIENT	.00257	-.00000	-.00000	-.00110	-.00257	-.00110	-.00159

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OA145 TABULATED FORCE DATA

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AMES 118-1-11 OA145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 ELEVON = -5.000
 AILRON = .000 BOFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 758/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.401	-6.281	-4.97190	-4.91930	-4.93130	-4.95240	.05260	-.02110	-.12540
1.409	-2.140	-4.97190	-4.91930	-4.93130	-4.95240	.05260	-.02110	-.13360
1.408	-1.073	-4.97190	-4.91930	-4.93130	-4.95240	.05260	-.02110	-.13360
1.407	.015	-4.97190	-4.93040	-4.92000	-4.95240	.04150	-.03240	-.13360
1.405	.536	-4.97190	-4.91930	-4.92000	-4.95240	.05260	-.03240	-.13360
1.405	1.065	-4.97190	-4.93040	-4.92000	-4.95240	.04150	-.03240	-.14180
1.405	2.137	-4.97190	-4.91930	-4.92000	-4.95240	.05260	-.03240	-.14180
1.403	3.200	-4.97190	-4.93040	-4.92000	-4.95240	.04150	-.03240	-.15000
1.403	4.243	-4.97190	-4.93040	-4.92000	-4.95240	.04150	-.03240	-.15000
1.401	6.337	-4.96230	-4.91930	-4.92000	-4.95240	.04300	-.03240	-.15000
	GRADIENT	.00000	-.00157	.00184	-.00000	-.00157	-.00184	-.00252

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 ELEVON = 5.000
 AILRON = .000 BOFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

AMES 118-1-11 OA145A 01

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RUN NO. 784/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.597	-6.072	5.00610	4.98150	5.01950	5.01560	-.02460	-.00390	-.15000
.597	-1.987	5.00610	4.98150	5.01950	5.00490	-.02460	-.01460	-.16090
.596	-.948	5.00610	4.98150	5.01950	5.01560	-.02460	-.00390	-.18280
.596	.093	5.00610	4.98150	5.01950	5.00490	-.02460	-.01460	-.18280
.596	.599	5.00610	4.98150	5.01950	5.00490	-.02460	-.01460	-.15000
.596	1.118	5.00610	4.98150	5.01950	5.00490	-.02460	-.01460	-.15000
.596	2.154	5.00610	4.98150	5.01950	5.00490	-.02460	-.01460	-.15000
.596	3.182	5.00610	4.98150	5.01950	5.00490	-.02460	-.01460	-.16090
.596	4.214	5.00610	4.98150	5.01950	5.00490	-.02460	-.01460	-.17190
.596	6.249	5.00610	4.98150	5.01950	5.00490	-.02460	-.01460	-.17190
	GRADIENT	.00000	.00000	.00000	-.00071	-.00000	-.00071	.00126

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

ALPHA = .000 ELEVON = 5.000
 AIRRON = .000 BDFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 779/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.798	-6.217	4.98670	4.99310	5.00800	5.02630	.00640	.01830	-.02680
.799	-2.104	4.99640	4.99310	4.99650	5.03700	-.00330	.04050	-.13360
.798	-1.059	4.99640	4.99310	5.00800	5.02630	-.00330	.01830	-.15000
.799	.020	4.99640	4.99310	5.00800	5.02630	-.00330	.01830	-.12540
.799	.538	4.99640	4.99310	4.99650	5.03700	-.00330	.04050	-.13360
.798	1.063	4.99640	4.99310	4.99650	5.02630	-.00330	.02980	-.14180
.798	2.118	4.99640	4.99310	5.00800	5.02630	-.00330	.01830	-.15000
.798	3.163	4.99640	4.99310	5.00800	5.02630	-.00330	.01830	-.13360
.798	4.203	4.99640	4.99310	5.00800	5.02630	-.00330	.01830	-.13360
.797	6.269	4.99640	4.99310	5.00800	5.02630	-.00330	.01830	-.15000
	GRADIENT	.00000	.00000	.00087	-.00122	.00000	-.00208	.00021

RUN NO. 776/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.900	-6.234	5.00610	4.99310	4.99650	5.03700	-.01300	.04050	-.05140
.903	-2.117	5.00610	4.99310	4.99650	5.03700	-.02460	.04050	-.09250
.900	-1.062	5.00610	4.99310	4.99650	5.03700	-.01300	.04050	-.11710
.899	.018	5.00610	4.98150	4.99650	5.03700	-.02460	.04050	-.18280
.900	.538	5.00610	4.98150	4.99650	5.03700	-.02460	.04050	-.19370
.900	1.062	5.00610	4.98150	4.99650	5.03700	-.02460	.04050	-.11710
.900	2.125	5.00610	4.98150	4.99650	5.03700	-.02460	.04050	-.12540
.899	3.173	5.00610	4.98150	4.99650	5.03700	-.02460	.04050	-.12540
.898	4.216	5.00610	4.98150	5.00800	5.03700	-.02460	.02900	-.14180
.897	6.290	5.00610	4.98150	5.00800	5.02630	-.02460	.01830	-.17190
	GRADIENT	.00000	-.00076	.00118	.00000	-.00076	-.00118	-.00269

RUN NO. 771/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.951	-6.237	4.99640	4.98150	5.00800	5.01560	-.01490	.00760	.00610
.953	-2.116	4.99640	4.98150	5.00800	5.01560	-.01490	.00760	-.03500
.950	-1.063	4.99640	4.98150	5.00800	5.01560	-.01490	.00760	-.13360
.951	.018	4.99640	4.98150	5.00800	5.02630	-.01490	.01830	-.14180
.951	.539	4.99640	4.98150	5.00800	5.02630	-.01490	.01830	-.14180
.950	1.060	4.99640	4.98150	5.00800	5.02630	-.01490	.01830	-.15000
.951	2.120	4.98670	4.98150	5.00800	5.02630	-.00520	.01830	-.15000
.950	3.169	4.98670	4.98150	5.00800	5.02630	-.00520	.01830	-.16090
.950	4.212	4.98670	4.95990	5.00800	5.02630	-.01680	.01830	-.15000
.951	6.293	4.98670	4.98150	5.00800	5.02630	-.00520	.01830	-.15000
.947	GRADIENT	-.00201	-.00119	.00000	.00176	.00083	.00176	-.01358

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OAI15 TABULATED FORCE DATA

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REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 ELEVON = 5.000
 AILRON = .000 BDFLAP = .000
 SPDRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 767/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.200	-6.248	4.98670	4.95830	4.99650	5.02630	-.02840	.02980	-.12540
1.202	-2.112	4.99640	4.95830	4.99650	5.02630	-.03810	.02980	-.13360
1.200	-1.062	4.99640	4.95830	4.99650	5.02630	-.03810	.02980	-.14180
1.199	.016	4.99640	4.95830	4.99650	5.02630	-.03810	.02980	-.14180
1.200	.537	4.99640	4.95830	4.99650	5.01560	-.03810	.01910	-.14180
1.199	1.063	4.99640	4.95830	4.99650	5.01560	-.03810	.01910	-.14180
1.198	2.123	4.99640	4.95830	4.99650	5.02630	-.03810	.02980	-.14180
1.199	3.173	4.99640	4.95830	4.99650	5.02630	-.03810	.02980	-.15000
1.198	4.217	4.99640	4.95830	4.99650	5.02630	-.03810	.02980	-.15000
1.196	6.299	5.00610	4.95830	4.99650	5.02630	-.04780	.02980	-.15000
	GRADIENT	.00000	.00000	.00000	.00013	-.00000	.00013	-.00222

RUN NO. 764/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.299	-6.267	4.98670	4.98150	5.00800	5.01560	-.00520	.00760	-.12540
1.301	-2.132	4.98670	4.98150	5.00800	5.01560	-.00520	.00760	-.13360
1.300	-1.068	4.98670	4.98150	4.99650	5.01560	-.00520	.01910	-.13360
1.298	.016	4.98670	4.98150	4.99650	5.01560	-.00520	.01910	-.13360
1.299	.538	4.98670	4.98150	4.99650	5.01560	-.00520	.01910	-.13360
1.297	1.064	4.99640	4.98150	5.00800	5.01560	-.01490	.00760	-.13360
1.297	2.131	5.00610	4.96990	4.99650	5.01560	-.03620	.01910	-.14180
1.298	3.187	4.98670	4.98150	5.00800	5.01560	-.00520	.00760	-.14180
1.295	4.235	4.98670	4.96990	5.00800	5.01560	-.01680	.00760	-.14180
1.292	6.317	5.00610	4.96990	5.00800	5.01560	-.03620	.00760	-.15000
	GRADIENT	.00071	-.00160	.00086	.00000	-.00231	-.00086	-.00169

RUN NO. 759/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.401	-6.266	4.99640	4.96990	4.99650	5.01560	-.02650	.01910	-.06790
1.408	-2.130	4.99640	4.96990	4.99650	5.01560	-.02650	.01910	-.09250
1.407	-1.067	4.99640	4.96990	5.00800	5.01560	-.02650	.00760	-.09250
1.405	.018	4.99640	4.96990	4.99650	5.01560	-.02650	.01910	-.09250
1.405	.537	4.99640	4.96990	4.99650	5.01560	-.02650	.01910	-.11710
1.406	1.061	4.99640	4.96990	4.99650	5.01560	-.02650	.01910	-.12540
1.404	2.129	4.99640	4.96990	4.99650	5.01560	-.02650	.01910	-.12540
1.402	3.187	5.00610	4.96990	4.99650	5.01560	-.03620	.01910	-.13360
1.404	4.234	5.00610	4.96990	4.99650	5.01560	-.03620	.01910	-.13360
1.399	6.323	5.00610	4.96990	4.99650	5.01560	-.03620	.01910	-.14180
	GRADIENT	.00166	.00000	-.00075	.00000	-.00166	.00075	-.00791

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 ELEVON = 10.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO AIRRON = .000 BOFLAP = .000
 BRFL = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPOBRK = 25.000 RUDDER = .000
 SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 192/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.598	-6.055	11.20900	10.10400	9.80030	9.94890	-1.10530	.14860	.00000
.597	-1.956	11.20900	10.11100	9.80030	9.94890	-1.09760	.14860	.00000
.598	-.932	11.20900	10.11100	9.80030	9.94890	-1.09760	.14860	.00000
.598	.098	11.20900	10.11100	9.80030	9.94890	-1.09760	.14860	.00000
.600	.617	11.20900	10.11100	9.80030	9.94890	-1.09760	.14860	.00000
.599	1.108	11.20900	10.11100	9.80030	9.94890	-1.09760	.14860	.00000
.600	2.186	11.20900	10.11100	9.79150	9.94890	-1.09760	.14860	.00000
.600	3.244	11.20900	10.11100	9.80030	9.94890	-1.09760	.14860	.00000
.600	4.285	11.20900	10.11100	9.80030	9.94890	-1.09760	.14860	.00000
.599	6.349	11.20900	10.11100	9.80030	9.94890	-1.09760	.14860	.00000
	GRADIENT	.00000	.00000	-.00032	.00000	-.00000	.00032	.00000

RUN NO. 120/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.800	-6.090	10.15600	10.11900	9.66900	9.96750	-.03690	.29850	.12460
.797	-1.995	10.15600	10.11100	9.67770	9.96750	-.04450	.29880	.06230
.799	-.936	10.15600	10.11100	9.66030	9.96750	-.04450	.30720	.04150
.798	.107	10.15600	10.11100	9.66030	9.96750	-.04450	.30720	.03110
.797	.561	10.15600	10.11100	9.66900	9.96750	-.04450	.29850	.02080
.800	1.046	10.15600	10.11100	9.67770	9.96750	-.04450	.29880	-.05100
.798	2.122	10.15600	10.11100	9.67770	9.96750	-.04450	.29880	-.07130
.800	3.171	10.15600	10.11100	9.66900	9.96750	-.03690	.29850	-.10190
.797	4.206	10.15600	10.11100	9.66030	9.96750	-.04450	.30720	-.12230
.799	6.282	10.15600	10.11100	9.68640	9.97680	-.04450	.29040	-.21400
	GRADIENT	.00000	.00057	-.00064	.00000	.00054	.00064	-.03315

RUN NO. 178/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.901	-6.101	10.16900	10.11900	9.80910	9.95820	-.05020	.14910	.00000
.903	-1.911	10.16900	10.11900	9.80030	9.95820	-.05020	.15790	-.03060
.901	-.867	10.16900	10.11900	9.80910	9.95820	-.05020	.14910	-.05100
.900	.037	10.16900	10.11900	9.80910	9.95820	-.05020	.14910	-.06110
.902	.464	10.16900	10.11900	9.80910	9.95820	-.05020	.14910	-.06110
.902	.993	10.16900	10.11100	9.80030	9.95820	-.05780	.15790	-.08150
.900	2.086	10.16900	10.11900	9.80030	9.95820	-.05020	.15790	-.08150
.901	3.158	10.16900	10.11900	9.80030	9.95820	-.05020	.15790	-.10190
.901	4.200	10.16900	10.11900	9.80030	9.95820	-.05020	.15790	-.12230
.900	6.274	10.16900	10.11900	9.80030	9.95820	-.05020	.15790	-.17330
	GRADIENT	.00000	.00001	-.00103	.00000	.00001	.00103	-.01407

0A145 TABULATED FORCE DATA

DATE 10 MAR 80

(02F040) (16 JUL 77)

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = 10.000
 AILRON = .000 BOFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 131/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.951	-6.065	10.18200	10.11100	9.76520	9.94890	-.07110	.18370	.00000
.950	-1.921	10.18200	10.11100	9.81790	9.94890	-.07110	.13100	.00000
.951	-.855	10.18200	10.11100	9.80910	9.94890	-.07110	.13980	.00000
.952	.085	10.18200	10.11900	9.80910	9.94890	-.06340	.13980	.00000
.951	.520	10.18200	10.11900	9.81790	9.95820	-.06340	.14030	.00000
.951	1.055	10.18200	10.11900	9.81790	9.95820	-.06340	.14910	.00000
.951	2.132	10.18200	10.11900	9.80910	9.95820	-.07110	.14960	.00000
.950	3.186	10.18200	10.11100	9.81790	9.96750	-.06340	.13980	-.01020
.950	4.225	10.18200	10.11900	9.80910	9.94890	-.06340	.14030	-.02040
.950	6.304	10.18200	10.11900	9.81790	9.95820	-.06340	.14030	-.00183
	GRADIENT	.00000	.00075	-.00041	.00152	.00072	.00193	

RUN NO. 436/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.101	-6.202	10.16900	10.15700	9.98480	9.99540	-.01190	.01060	-.12540
1.101	-2.095	10.16900	10.14900	9.98480	9.98610	-.01960	.00130	-.11710
1.100	-1.043	10.16900	10.14900	9.98480	9.98610	-.01960	.00130	-.11710
1.101	.011	10.15600	10.14900	9.98480	9.99540	-.00630	.01060	-.12540
1.103	.545	10.16900	10.14900	9.98480	9.98610	-.01960	.00130	-.12540
1.100	1.078	10.16900	10.14900	9.98480	9.98610	-.01960	.00130	-.13360
1.101	2.131	10.16900	10.14900	9.98480	9.98610	-.01960	.00130	-.13360
1.101	3.176	10.16900	10.14900	9.98480	9.98610	-.01960	.00130	-.14180
1.099	4.223	10.16900	10.14900	9.98480	9.98610	-.01960	.00130	-.16090
1.099	6.318	10.16900	10.14900	9.98480	9.98610	-.01960	.00130	-.18280
1.099	GRADIENT	.00041	.00000	.00000	-.00029	-.00042	-.00029	-.00646

RUN NO. 169/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.200	-6.101	10.19600	10.10400	9.77390	9.96750	-.09200	.19360	-.06110
1.200	-1.924	10.19600	10.09600	9.77390	9.95820	-.09960	.18430	-.12230
1.199	-.881	10.18200	10.09600	9.77390	9.95820	-.08640	.18430	-.12230
1.199	.033	10.19600	10.09600	9.78270	9.95820	-.09960	.17550	-.11210
1.199	.468	10.18200	10.09600	9.78270	9.96750	-.08640	.18480	-.11210
1.199	.999	10.19600	10.09600	9.78270	9.95820	-.09960	.17550	-.11210
1.199	2.087	10.19600	10.09600	9.78270	9.96750	-.09960	.18480	-.11210
1.199	3.151	10.19600	10.09600	9.78270	9.95820	-.09960	.17550	-.12230
1.199	4.195	10.20900	10.09600	9.78270	9.96750	-.11290	.18480	-.14270
1.201	6.275	10.20900	10.09600	9.78270	9.95820	-.11290	.17550	-.14270
1.195	GRADIENT	.00258	.00000	.00145	.00117	-.00254	-.00028	-.00238

AMES 118-1-11 CA145A 01

(D2F040) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = 10.000
 AILRON = .000 BOFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 141/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.294	-6.122	10.18200	10.12600	9.74760	9.95820	-.05580	.21060	.00000
1.296	-1.970	10.18200	10.12600	9.73880	9.95820	-.05580	.21940	.00000
1.295	-.918	10.18200	10.11900	9.73880	9.94890	-.06340	.21010	-.02040
1.294	.144	10.18200	10.11900	9.73880	9.95820	-.06340	.21940	-.03060
1.293	.629	10.18200	10.11900	9.73880	9.95820	-.06340	.21940	-.03060
1.294	1.187	10.18200	10.11900	9.73880	9.95820	-.06340	.21940	-.03060
1.294	2.268	10.16900	10.12600	9.73880	9.95820	-.04250	.21940	-.03060
1.294	3.335	10.16900	10.11900	9.73880	9.95820	-.05020	.21940	-.04080
1.293	4.380	10.16900	10.11900	9.73880	9.94890	-.05020	.21010	-.06110
1.292	6.462	10.16900	10.11900	9.73880	9.95820	-.05020	.21940	-.08150
	GRADIENT	-.00270	-.00043	.00000	-.00035	.00227	-.00035	-.00748

RUN NO. 161/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.400	-6.169	10.18200	10.11900	9.80910	9.95820	-.06340	.14910	.00000
1.404	-2.012	10.16900	10.11900	9.80910	9.96750	-.05020	.15840	.00000
1.404	-.965	10.16900	10.11900	9.81790	9.96750	-.05020	.14960	.00000
1.404	.016	10.16900	10.12600	9.80910	9.96750	-.04250	.15840	.00000
1.403	.616	10.16900	10.11900	9.80910	9.96750	-.05020	.15840	.00000
1.403	1.128	10.16900	10.11900	9.80910	9.96750	-.05020	.15840	.00000
1.403	2.212	10.16900	10.11900	9.82670	9.95820	-.05020	.13150	.00000
1.402	3.286	10.16900	10.11900	9.80910	9.96750	-.05020	.15840	.00000
1.403	4.348	10.16900	10.11900	9.80910	9.96750	-.05020	.15840	.00000
1.400	6.462	10.16900	10.11900	9.80910	9.96750	-.05020	.15840	.00000
	GRADIENT	.00000	-.00023	.00006	-.00033	-.00026	-.00039	.00000

(02F041) (16 JUL 77)

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN. XO	ALPHA	=	5.000	ELEVON	=	5.000
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. YO	AILRON	=	.000	BOFLAP	=	.000
BRF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. ZO	SPOBRK	=	25.000	RUDDER	=	.000
SCALE	=	.0500						RN/L	=	5.000			

PARAMETRIC DATA

RUN NO.	191/ 0	RN/L =	4.99	GRADIENT INTERVAL =	-5.00/	5.00	DELL	DEL R	DRHL
BETA	ELV-LO	ELV-LI	ELV-RO	ELV-R1	DELL	DEL R	DRHL		
-6.057	4.94790	4.83050	4.90100	4.93000	-11740	.02300	.00000		
-1.944	4.94790	4.83050	4.90100	4.93000	-11740	.02300	.00000		
-.890	4.95760	4.83050	4.90100	4.93000	-12710	.02300	.00000		
.082	4.94790	4.83050	4.90100	4.93000	-11740	.02300	.00000		
.541	4.94790	4.83050	4.90100	4.92080	-11740	.01980	.00000		
1.086	4.94790	4.83050	4.90100	4.92080	-11740	.01980	.00000		
2.159	4.94790	4.81890	4.91090	4.93000	-12900	.01910	.00000		
3.228	4.94790	4.83050	4.91090	4.92080	-11740	.00990	.00000		
4.277	4.95760	4.83050	4.90100	4.93000	-12710	.02300	.00000		
6.353	4.95760	4.83050	4.90100	4.93000	-12710	.02300	.00000		
BRABIN	00040	-00042	-00106	-00050	-00082	-00156	.00000		

RUN NO.	119/ 0	RN/L =	4.98	GRADIENT INTERVAL =	-5.00/	5.00	
BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
-6.074	4.96730	4.81890	4.76240	4.93000	-.14840	.16760	.14540
-1.958	4.96730	4.81890	4.75250	4.93000	-.14840	.17750	.08310
-9.18	4.96730	4.81890	4.76730	4.94070	-.14840	.17830	.07270
.155	4.96730	4.81890	4.77230	4.94070	-.14840	.16840	.05190
.647	4.96730	4.81890	4.76240	4.93000	-.14840	.16760	.05190
1.161	4.96730	4.81890	4.75250	4.93000	-.14840	.17750	.04150
2.246	4.96730	4.83050	4.76240	4.94070	-.13680	.17830	.03110
3.308	4.96730	4.83050	4.77230	4.94070	-.13680	.16840	.01040
4.352	4.96730	4.83050	4.76240	4.94070	-.13680	.17830	.00000
6.427	4.96730	4.83050	4.77230	4.94070	-.13680	.16840	.00480
GRADIENT	.00000	.00242	.00135	.00120	.00242	-.00014	-.01344

RUN NO.	177/ 0	RN/L	5.02	GRADIENT	INTERVAL	-5.00/	5.00	DELR	DRHL
BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL		
-6.104	4.94790	4.83050	4.88120	4.93000	-11740	04880	00000		
-1.921	4.94790	4.83050	4.88120	4.93000	-11740	04880	02040		
-.862	4.94790	4.83050	4.88120	4.93000	-11740	04880	03060		
.038	4.94790	4.83050	4.87130	4.93000	-11740	05870	04080		
.450	4.93820	4.83050	4.87130	4.93000	-10770	05870	05100		
.960	4.94790	4.83050	4.87130	4.93000	-11740	05870	06110		
2.063	4.93820	4.83050	4.87130	4.93000	-10770	05870	07130		
3.136	4.93820	4.83050	4.87130	4.93000	-10770	05870	09170		
4.187	4.93820	4.83050	4.87130	4.93000	-10770	05870	12230		
6.259	4.94790	4.83050	4.88120	4.93000	-11740	04880	16310		
GRADIENT	-00194	00000	-00163	00000	00194	00163	01623		

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(D2F041) (18 JUL 77)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN. X0	ALPHA	=	5.0000	ELEVON	=	5.0000
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. Y0	AILRON	=	.0000	BOFLAP	=	.0000
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. Z0	SPDBRK	=	25.0000	RUDDER	=	.0000
SCALE	=	.0500						RN/L	=	5.0000			

PARAMETRIC DATA

RUN NO.	130/ 0	RN/L = 5.00	GRADIENT INTERVAL = -5.00/ 5.00	DELR	DRHL
BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL
-6.090	4.95760	4.83050	4.84160	4.92080	-.12710
-1.912	4.95760	4.81890	4.85150	4.92080	-.13870
-.845	4.95760	4.81890	4.84160	4.93000	-.13870
.073	4.95760	4.81890	4.82180	4.92080	-.13870
.484	4.95760	4.81890	4.83170	4.91160	-.13870
1.080	4.95760	4.81890	4.83170	4.93000	-.13870
2.125	4.95760	4.81890	4.82180	4.92080	-.13870
3.188	4.95760	4.81890	4.81190	4.92080	-.13870
4.220	4.95760	4.81890	4.80210	4.93000	-.13870
6.302	4.95760	4.80730	4.79210	4.92080	-.15030
GRADIENT	00000	00000	-.00730	.00058	-.00000
				.00789	.00172

[illegible]

RUN NO.	168/ 0	RN/L =	5.04	GRADIENT INTERVAL =	-5.00/	5.00		
BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL	
-6.102	4.95760	4.83050	4.87130	4.93000	-1.2710	.05870	-.05100	
-1.924	4.95760	4.83050	4.87130	4.94070	-1.2710	.06940	-.09170	
-.875	4.96730	4.83050	4.86140	4.94070	-1.3680	.07930	-.11210	
.029	4.95760	4.83050	4.87130	4.94070	-1.2710	.06940	-.12230	
.461	4.95760	4.83050	4.86140	4.94070	-1.2710	.07930	-.12230	
.988	4.95760	4.83050	4.86140	4.93000	-1.2710	.07930	-.12230	
2.077	4.96730	4.83050	4.86140	4.94070	-1.3680	.06860	-.12350	
3.143	4.96730	4.84210	4.86140	4.94070	-1.2520	.07930	-.13250	
4.189	4.96730	4.83050	4.86140	4.93000	-1.3680	.06860	-.14270	
6.271	4.96730	4.83050	4.87130	4.94070	-1.3680	.06940	-.13250	
GRADIENT	.00149	.00085	-.00133	-.00155	-.00064	-.00023	-.00670	

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(DEF041) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = 5.000
 AILRON = .000 BOFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 140/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.294	-6.120	4.95760	4.81890	4.85150	4.94070	-1.3870	.08920	-.06110
1.296	-2.044	4.95760	4.81890	4.85150	4.93000	-1.3870	.07850	-.08150
1.295	-1.041	4.95760	4.81890	4.85150	4.94070	-1.3870	.06920	-.08150
1.294	.015	4.95760	4.81890	4.85150	4.94070	-1.3870	.08920	.00000
1.294	.514	4.95760	4.81890	4.85150	4.94070	-1.3870	.08920	-.01020
1.295	1.038	4.95760	4.81890	4.85150	4.94070	-1.3870	.08920	-.01020
1.294	2.122	4.95760	4.81890	4.86140	4.94070	-1.3870	.07930	-.01020
1.293	3.174	4.96730	4.81890	4.84160	4.94070	-1.4840	.09810	-.01020
1.294	4.223	4.95760	4.81890	4.85150	4.94070	-1.3870	.08920	-.03060
1.293	6.316	4.96730	4.80730	4.85150	4.94070	-1.6000	.08920	-.06110
	GRADIENT	.00068	.00000	-.00034	.00105	-.00068	.00139	.00925

RUN NO. 160/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.401	-6.164	4.96730	4.85370	4.90100	4.93000	-1.1360	.02900	.38420
1.406	-2.003	4.95760	4.84210	4.90100	4.93000	-1.1550	.02900	.37380
1.405	-.935	4.96730	4.84210	4.90100	4.93000	-1.2520	.02900	.00000
1.404	.093	4.96730	4.84210	4.90100	4.93000	-1.2520	.02900	-.02040
1.403	.568	4.96730	4.84210	4.90100	4.93000	-1.2520	.02900	-.04080
1.402	1.117	4.96730	4.84210	4.90100	4.93000	-1.2520	.02900	-.04080
1.403	2.207	4.96730	4.84210	4.90100	4.93000	-1.2520	.02900	-.05100
1.402	3.290	4.96730	4.84210	4.91090	4.93000	-1.2520	.01910	-.07130
1.403	4.352	4.96730	4.83050	4.92080	4.93000	-1.3680	.00920	-.13250
1.400	6.459	4.96730	4.84210	4.92080	4.93000	-1.2520	.00920	-.16310
	GRADIENT	.00095	-.00120	.00273	.00000	-.00214	-.00273	-.05563

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OAI15 TABULATED FORCE DATA

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(02F042) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = -5.000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 190/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.598	-6.039	-4.98150	-4.97480	-5.25200	-6.06060	.00670	-8.0860	.00000
.598	-1.923	-4.98150	-4.97480	-5.25200	-6.06060	.00670	-8.0860	.00000
.597	-.880	-4.98150	-4.97480	-5.25200	-6.07070	.00670	-8.1870	.00000
.597	.085	-4.98150	-4.97480	-5.25200	-6.06060	.00670	-8.0860	.00000
.598	.540	-4.98150	-4.97480	-5.25200	-6.07070	.00670	-8.1870	.00000
.597	1.069	-4.97190	-4.97480	-5.25200	-6.07070	-.00290	-8.1870	.00000
.598	2.144	-4.97190	-4.97480	-5.25200	-6.07070	-.00290	-8.1870	.00000
.597	3.209	-4.97190	-4.97480	-5.25200	-5.21160	-.00290	-8.1870	.00000
.597	4.273	-4.97190	-4.97480	-5.25200	-5.03880	.01780	-8.1870	.00000
.597	6.357	-4.98150	-4.96370	-5.25200	-5.03880	.01780	-8.1870	.00000
GRADIENT		.00206	-.00000	-.00000	.09053	-.00206	.09053	.00000

RUN NO. 118/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.799	-6.062	-4.97190	-4.95260	-5.32900	-4.97400	.01930	.35500	.14540
.798	-1.968	-4.96230	-4.96370	-5.31800	-4.97400	-.00140	.34400	.06230
.799	-.851	-4.97190	-4.95260	-5.32900	-4.96320	.01930	.36580	.05190
.798	.129	-4.97190	-4.96370	-5.31800	-4.97400	.00820	.34400	.03110
.799	.573	-4.97190	-4.96370	-5.32900	-4.97400	.00820	.35500	.03110
.799	1.126	-4.97190	-4.96370	-5.32900	-4.97400	.00820	.35500	.02080
.797	2.212	-4.97190	-4.96370	-5.31800	-4.96320	.00820	.35480	.02080
.799	3.290	-4.97190	-4.95260	-5.31800	-4.94160	.01930	.37640	.00000
.799	4.350	-4.97190	-4.96370	-5.32900	-4.94160	.00820	.38740	.00000
.799	6.437	-4.97190	-4.96370	-5.31800	-4.94160	.00820	.37640	-.04080
GRADIENT		-.00095	.00008	-.00027	.00537	.00103	.00564	-.01021

RUN NO. 176/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.900	-6.107	-5.02950	-4.96370	-5.23000	-4.96320	.06580	.26680	.00000
.900	-1.911	-5.02950	-4.96370	-5.24100	-4.97400	.06580	.26700	-.02040
.901	-.850	-5.02950	-4.96370	-5.25200	-4.96320	.06580	.28880	-.04080
.899	.038	-5.02950	-4.95260	-5.25200	-4.96320	.07590	.28880	-.05100
.900	.443	-5.02950	-4.95260	-5.23000	-4.96320	.07590	.26680	-.05110
.901	.954	-5.03910	-4.96370	-5.23000	-4.96320	.07540	.26680	-.06110
.898	2.041	-5.02950	-4.95260	-5.24100	-4.96320	.07590	.27780	-.08150
.900	3.119	-5.03910	-4.96370	-5.24100	-4.96320	.07540	.27780	-.09170
.901	4.179	-5.03910	-4.95260	-5.24100	-4.97400	.08650	.26700	-.13250
.898	6.245	-5.02950	-4.96370	-5.24100	-4.97400	.06580	.26700	-.17330
GRADIENT		-.00175	.00104	.00084	-.00010	.00279	-.00094	-.01661

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(02F042) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = -5.000
 AILRON = .000 BOFLAP = .000
 SPDRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 129/ 0		RN/L = 4.99		GRADIENT INTERVAL = -5.00/ 5.00				
MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.951	-6.120	-4.97190	-4.94150	-5.29600	-4.98480	.03040	.31120	.02080
.951	-1.895	-4.96230	-4.94150	-5.29600	-4.98480	.02080	.31120	.00000
.951	-.826	-4.96230	-4.94150	-5.30700	-4.98480	.02080	.32220	.00000
.951	.074	-4.95270	-4.94150	-5.31800	-4.98480	.01120	.33320	.00000
.951	1.037	-4.95270	-4.95260	-5.32900	-4.98480	.00010	.34420	.00000
.951	2.118	-4.95270	-4.95260	-5.34000	-4.99560	.01120	.34440	.00000
.952	3.190	-4.95270	-4.94150	-5.34000	-4.98480	.01120	.35520	.00000
.952	4.230	-4.95270	-4.94150	-5.35100	-4.98480	.01120	.36620	-.01020
.950	6.306	-4.95270	-4.94150	-5.30700	-4.98480	.01120	.32220	-.02040
GRADIENT		.00158	.00022	-.00868	-.00039	-.00136	.00829	-.00111

RUN NO. 434/ 0		RN/L = 5.02		GRADIENT INTERVAL = -5.00/ 5.00				
MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.102	-6.203	-4.80880	-4.85270	-4.90220	-4.89240	-.04390	.00980	-.12540
1.102	-2.082	-4.80880	-4.85270	-4.90220	-4.89240	-.04390	.00980	-.11710
1.101	-1.040	-4.79920	-4.85270	-4.90220	-4.89240	-.05350	.00980	-.11710
1.102	.101	-4.79920	-4.85270	-4.90220	-4.89240	-.05350	.00980	-.13360
1.101	.694	-4.79920	-4.85270	-4.90220	-4.89240	-.05350	.00980	-.13360
1.102	1.170	-4.79920	-4.85270	-4.90220	-4.89240	-.05350	.00980	-.13360
1.101	2.213	-4.78960	-4.85270	-4.90220	-4.89240	-.06310	.00980	-.14180
1.100	3.259	-4.78960	-4.85270	-4.90220	-4.89240	-.06310	.00980	-.15000
1.101	4.303	-4.78960	-4.85270	-4.91110	-4.89240	-.06310	.01870	-.17190
1.100	6.388	-4.78960	-4.85270	-4.90220	-4.89240	-.06310	.00980	-.19370
GRADIENT		.00291	-.00000	-.00090	-.00000	-.00291	.00090	-.00798

RUN NO. 167/ 0		RN/L = 5.04		GRADIENT INTERVAL = -5.00/ 5.00				
MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.199	-6.118	-4.90330	-4.96370	-5.23000	-4.98480	-.00140	.24530	-.08150
1.102	-1.000	-4.90330	-4.96370	-5.24100	-4.98480	-.00140	.24530	-.11210
1.199	-.865	-4.95270	-4.96370	-5.23000	-4.98480	-.01100	.24520	-.11210
1.201	.035	-4.95270	-4.96370	-5.24100	-4.98480	-.01100	.25620	-.11210
1.200	.445	-4.96230	-4.96370	-5.24100	-4.99560	-.00140	.24540	-.12230
1.200	.967	-4.96230	-4.96370	-5.24100	-4.98480	-.00140	.25620	-.12230
1.198	2.061	-4.95270	-4.96370	-5.24100	-4.99560	-.01100	.24540	-.13250
1.199	3.144	-4.95270	-4.96370	-5.24100	-4.98480	-.01100	.25620	-.13250
1.199	4.193	-4.95270	-4.96370	-5.24100	-4.99560	-.01100	.24540	-.14270
1.198	6.275	-4.95270	-4.96370	-5.21900	-4.98480	-.01100	.23420	-.14270
GRADIENT		.00116	-.00000	-.00071	-.00136	-.00116	-.00065	-.00537

0A145 TABULATED FORCE DATA

DATE 10 MAR 80

(D2F042) (16 JUL 77)

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = -5.000
 AILRON = .000 BOFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 139/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.293	-6.140	-4.9910	-4.95260	-5.24100	-4.98480	.03850	.25620	.07270
1.297	-2.045	-4.98150	-4.95260	-5.26300	-4.98480	.02890	.27820	.05190
1.295	-1.014	-4.98150	-4.95260	-5.26300	-4.98480	.02890	.27820	.05190
1.295	.078	-4.98150	-4.95260	-5.26300	-4.98480	.02890	.27820	.04150
1.294	.596	-4.98150	-4.96370	-5.25200	-4.98480	.01780	.26720	.03110
1.294	1.136	-4.99110	-4.95260	-5.24100	-4.98480	.03850	.25620	.02080
1.294	2.149	-5.00070	-4.95260	-5.21900	-4.98480	.04810	.23420	.01040
1.294	3.189	-5.00070	-4.95260	-5.21900	-4.98480	.04810	.23420	.00000
1.294	4.228	-4.99110	-4.95260	-5.24100	-4.98480	.03850	.25620	.00000
1.292	6.316	-4.98150	-4.95260	-5.25200	-4.98480	.02890	.26720	-.01020
	GRADIENT	-.00305	.00016	.00683	-.00000	.00321	-.00683	-.00994

RUN NO. 159/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.401	-6.157	-4.97190	-4.97480	-5.23000	-4.97400	-.00290	.25600	-.04080
1.406	-2.000	-4.97190	-4.97480	-5.23000	-4.97400	-.00290	.25600	-.08150
1.405	-.937	-4.97190	-4.97480	-5.23000	-4.97400	-.00290	.25600	-.11210
1.405	.092	-4.97190	-4.97480	-5.23000	-4.97400	-.00290	.25600	-.12230
1.404	.560	-4.97190	-4.96370	-5.23000	-4.97400	.00820	.25600	-.04080
1.405	1.110	-4.97190	-4.97480	-5.23000	-4.97400	-.00290	.25600	-.04080
1.403	2.197	-4.97190	-4.97480	-5.23000	-4.97400	-.00290	.25600	-.04080
1.402	3.282	-4.97190	-4.97480	-5.23000	-4.97400	-.00290	.25600	-.00000
1.404	4.348	-4.97190	-4.97480	-5.24100	-4.97400	-.00290	.27800	.02080
1.400	6.469	-4.97190	-4.97480	-5.25200	-4.97400	-.00290	.27800	.01665
	GRADIENT	.00000	-.00018	-.00114	.00000	-.00018	.00114	.01665

0A145 TABULATED FORCE DATA

DATE 10 MAR 80

(02F043) (16 JUL 77)

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = -10.000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 189/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.598	-6.025	-10.23500	-10.03500	-10.53900	-10.02200	.20070	.51640	.00000
.597	-1.915	-10.23500	-10.02400	-10.53900	-10.02200	.21180	.51640	.00000
.598	-.872	-10.23500	-10.02400	-10.53900	-10.02200	.21180	.50520	.00000
.597	.085	-10.23500	-10.02400	-10.53900	-10.02200	.21050	.51640	.00000
.598	.533	-10.24500	-10.03500	-10.56100	-10.02200	.21050	.53880	.00000
.598	1.063	-10.23500	-10.03500	-10.53900	-10.02200	.20070	.50520	.00000
.598	2.139	-10.23500	-10.03500	-10.53900	-10.02200	.20070	.51640	.00000
.598	3.205	-10.23500	-10.03500	-10.55000	-10.02200	.20070	.52760	.00000
.597	4.272	-10.23500	-10.03500	-10.55000	-10.02200	.20070	.52760	.00000
.597	6.356	-10.23500	-10.02400	-10.55000	-10.03400	.21180	.51640	.00000
GRADIENT		.00018	-.00217	-.00158	.00078	-.00236	.00233	.00000

RUN NO. 117/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.799	-6.050	-10.24500	-10.01200	-10.50600	-10.00000	.23270	.60610	.14540
.799	-1.935	-10.24500	-10.01200	-10.58400	-10.00000	.23270	.58370	.07270
.799	-.888	-10.24500	-10.01200	-10.60600	-10.00000	.23270	.60610	.06230
.799	.106	-10.25500	-10.00100	-10.62900	-9.97030	.25360	.65830	.02080
.800	.595	-10.24500	-10.01200	-10.59500	-10.00000	.23270	.59490	.01040
.799	1.118	-10.25500	-10.01200	-10.58400	-10.00000	.24250	.58370	.01040
.798	2.208	-10.25500	-10.01200	-10.59500	-9.98020	.24250	.61470	.00000
.798	3.287	-10.25500	-10.01200	-10.58400	-9.99010	.24250	.59360	.00000
.799	4.349	-10.25500	-10.01200	-10.53500	-9.99010	.24250	.60480	.00000
.799	6.439	-10.25500	-10.00100	-10.61700	-9.99010	.25360	.62720	-.05100
GRADIENT		-.00179	-.00035	.00150	.00148	.00140	-.00002	-.01519

RUN NO. 175/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.900	-6.126	-10.25500	-10.02400	-10.52800	-10.03400	.23140	.49400	.01040
.900	-1.870	-10.24500	-10.02400	-10.55000	-10.02200	.22160	.52760	-.03060
.902	-.832	-10.24500	-10.02400	-10.57200	-10.02200	.22160	.55010	-.05100
.900	.039	-10.24500	-10.02400	-10.58400	-10.03400	.22160	.55010	-.06110
.899	.420	-10.24500	-10.01200	-10.58400	-10.03400	.23270	.55010	-.06110
.899	.944	-10.24500	-10.02400	-10.58400	-10.04500	.23160	.53890	-.07130
.900	2.029	-10.25500	-10.02400	-10.58400	-10.04500	.23140	.53890	-.08150
.900	3.108	-10.25500	-10.02400	-10.58400	-10.02200	.23140	.56130	-.11210
.899	4.167	-10.25500	-10.02400	-10.57200	-10.02200	.23140	.55010	-.13250
.899	6.235	-10.24500	-10.02400	-10.57200	-10.03400	.22160	.53890	-.16310
GRADIENT		-.00222	-.00025	-.00287	-.00014	.00195	.00272	-.01620

REFERENCE DATA

SREF = 2690.0000 SQ.FT. ELEVON = -10.000

LREF = 474.8100 INCHES AILRON = .000

BREF = 936.8800 INCHES BDFLAP = .000

SCALE = .0500 SPDBRK = 25.000

RUDDER = .000

RN/L = 5.000

PARAMETRIC DATA

RUN NO. 128/ 0		RN/L = 4.98		GRADIENT INTERVAL = -5.00/ 5.00	
MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI
.953	-6.085	-10.24500	-10.03500	-10.57200	-10.01100
.952	-1.951	-10.24500	-10.03500	-10.58400	-10.01100
.951	-.798	-10.24500	-10.03500	-10.64000	-10.01100
.951	.072	-10.24500	-10.03500	-10.64000	-10.02200
.952	.463	-10.24500	-10.04600	-10.65100	-10.01100
.951	1.027	-10.24500	-10.03500	-10.65100	-10.03400
.951	2.110	-10.24500	-10.03500	-10.66200	-10.01100
.950	3.179	-10.24500	-10.03500	-10.64000	-10.02200
.951	4.220	-10.23500	-10.03500	-10.65100	-10.02200
.949	6.296	-10.23500	-10.03500	-10.66200	-10.01100
GRADIENT		.00108	.00022	-.00746	-.00162

RUN NO. 433/ 0		RN/L = 5.03		GRADIENT INTERVAL = -5.00/ 5.00	
MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI
1.102	-6.176	-10.03900	-9.89050	-10.08600	-9.92080
1.102	-2.052	-10.03000	-9.89050	-10.08600	-9.92080
1.101	-1.004	-10.03000	-9.89050	-10.08600	-9.92080
1.102	.095	-10.02000	-9.89050	-10.08600	-9.92080
1.101	.665	-10.02000	-9.89050	-10.08600	-9.92080
1.101	1.165	-10.01000	-9.90160	-10.08600	-9.92080
1.099	2.221	-10.03000	-9.89050	-10.08600	-9.92080
1.100	3.267	-10.02000	-9.89050	-10.08600	-9.92080
1.100	4.312	-9.97080	-9.90160	-10.08600	-9.92080
1.098	6.394	-9.94140	-9.89050	-10.08600	-9.92080
GRADIENT		.00630	-.00115	-.00000	-.00000

RUN NO. 166/ 0		RN/L = 5.03		GRADIENT INTERVAL = -5.00/ 5.00	
MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI
1.202	-6.156	-10.23500	-10.03500	-10.51600	-10.02200
1.203	-1.901	-10.23500	-10.02400	-10.52800	-10.02200
1.200	-.854	-10.23500	-10.03500	-10.52800	-10.02200
1.201	.036	-10.23500	-10.03500	-10.52800	-10.02200
1.200	.444	-10.23500	-10.04600	-10.51600	-10.03400
1.199	.958	-10.23500	-10.03500	-10.51600	-10.02200
1.197	2.062	-10.23500	-10.03500	-10.52800	-10.02200
1.199	3.142	-10.23500	-10.03500	-10.52800	-10.03400
1.199	4.193	-10.23500	-10.03500	-10.52800	-10.02200
1.195	6.277	-10.23500	-10.03500	-10.52800	-10.02200
GRADIENT		-.00000	-.00089	-.00026	-.00065

PARAMETRIC DATA		ALPHA = 5.000		ELEVON = -10.000	
DEL	DEL	DEL	DEL	DEL	DEL
.56130	.56130	.21050	.21050	.21050	.21050
.57250	.57250	.21050	.21050	.21050	.21050
.62860	.62860	.21050	.21050	.21050	.21050
.61740	.61740	.21050	.21050	.21050	.21050
.63980	.63980	.21050	.21050	.21050	.21050
.61750	.61750	.21050	.21050	.21050	.21050
.65110	.65110	.21050	.21050	.21050	.21050
.61740	.61740	.21050	.21050	.21050	.21050
.62860	.62860	.21050	.21050	.21050	.21050
.65110	.65110	.21050	.21050	.21050	.21050
-.02040	-.02040	.21050	.21050	.21050	.21050
-.00205	-.00205	.21050	.21050	.21050	.21050

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0A145 TABULATED FORCE DATA

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REFERENCE DATA

SREF = 2590.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 ELEVON = -10.000
LREF = 474.8100 INCHES YMRP = .0000 IN. YO AILRON = .000 BDFLAP = .000
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPOBRK = 25.000 RUDDER = .000
SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA *

RUN NO. 138/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELRL	DRHL
1.298	-6.094	-0.07070	-0.05690	-0.02000	-0.02020	.01380	-.00020	.03110
1.299	-1.948	-10.24500	-10.03500	-10.50500	-10.00000	.21050	.50510	.03110
1.297	-.887	-10.24500	-10.03500	-10.50500	-10.00000	.21050	.50510	.03110
1.294	.166	-10.23500	-10.03500	-10.51600	-10.01100	.20070	.50510	.03110
1.295	.628	-10.24500	-10.03500	-10.51600	-10.00000	.21050	.51630	.03110
1.294	1.183	-10.24500	-10.03500	-10.51600	-10.00000	.21050	.51630	.01040
1.293	2.277	-10.24500	-10.03500	-10.51600	-10.00000	.21050	.51630	.00000
1.294	3.348	-10.24500	-10.03500	-10.51600	-10.00000	.21050	.51630	.00000
1.294	4.397	-10.24500	-10.03500	-10.51600	-10.00000	.21050	.51630	.00000
1.294	6.488	-10.24500	-10.03500	-10.51600	-10.00000	.21050	.51630	.00000
1.294	GRADIENT	-.00031	-.00000	-.00178	.00034	.00030	.00216	-.00610

RUN NO. 158/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELRL	DRHL
1.40E	-6.157	-10.23500	-10.03500	-10.51600	-10.01100	.20070	.50510	-.15290
1.407	-1.973	-10.23500	-10.02400	-10.51600	-10.01100	.21180	.50510	-.21400
1.406	-.914	-10.23500	-10.02400	-10.52800	-10.01100	.21180	.51640	-.21400
1.405	-.019	-10.23500	-10.02400	-10.52800	-10.01100	.21180	.51640	.25960
1.403	.559	-10.23500	-10.02400	-10.52800	-10.01100	.21180	.51640	-.02040
1.403	1.100	-10.23500	-10.03500	-10.52800	-10.01100	.20070	.51640	-.03060
1.404	2.190	-10.23500	-10.02400	-10.52800	-10.01100	.21180	.51640	-.04080
1.403	3.275	-10.23500	-10.02400	-10.52800	-10.02200	.21180	.50520	-.06110
1.402	4.345	-10.23500	-10.02400	-10.51600	-10.01100	.21180	.50510	-.08150
1.399	6.469	-10.23500	-10.03500	-10.51600	-10.01100	.20070	.50510	-.15290
1.399	GRADIENT	-.00000	-.00001	.00009	-.00077	-.00001	-.00087	.01129

(02F044) (18 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = -5.000
AILRON = .000 BOFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 782/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.597	-6.029	-4.95270	-4.91930	-4.93130	-4.95240	.03340	-.02110	-.05140
.595	-1.970	-4.95270	-4.90820	-4.93130	-4.98480	.04450	-.05350	-.16090
.596	-.955	-4.95270	-4.90820	-4.93130	-4.94160	.04450	-.01030	-.14180
.596	.069	-4.95270	-4.90820	-4.93130	-4.95240	.04450	-.02110	-.13360
.596	.560	-4.95270	-4.90820	-4.93130	-4.95240	.04450	-.02110	-.14180
.597	1.059	-4.95270	-4.90820	-4.93130	-4.95240	.04450	-.02110	-.15000
.595	2.087	-4.95270	-4.90820	-4.93130	-4.95240	.04450	-.02110	-.15000
.596	3.108	-4.95270	-4.90820	-4.93130	-4.95240	.04450	-.02110	-.15000
.593	4.148	-4.95270	-4.90820	-4.93130	-4.95240	.04450	-.02110	-.17190
.596	6.211	-4.95270	-4.90820	-4.93130	-4.95240	.04450	-.02110	-.17190
	GRADIENT	-.00000	-.00000	-.00000	.00258	.00000	.00258	-.00008

RUN NO. 781/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.798	-6.085	-4.95270	-4.90820	-4.93130	-4.94160	.04450	-.01030	-.08430
.799	-2.008	-4.95270	-4.90820	-4.93130	-4.94160	.04450	-.01030	-.15000
.799	-.981	-4.95270	-4.90820	-4.93130	-4.94160	.04450	-.01030	-.14180
.798	.057	-4.95270	-4.90820	-4.93130	-4.94160	.04450	-.01030	-.15000
.798	.558	-4.96230	-4.90820	-4.94260	-4.94160	.05410	.00100	-.14180
.799	1.062	-4.95270	-4.90820	-4.93130	-4.93080	.04450	.00050	-.14180
.798	2.110	-4.96230	-4.90820	-4.94260	-4.94160	.05410	.00100	-.15000
.797	3.142	-4.95270	-4.90820	-4.93130	-4.93080	.04450	.00050	-.16090
.798	4.193	-4.95270	-4.90820	-4.94260	-4.92000	.04450	.02260	-.14180
.798	6.273	-4.96230	-4.91930	-4.93130	-4.98320	.04300	.04810	-.15000
	GRADIENT	-.00020	-.00000	-.00143	.00306	.00020	.00449	-.00056

RUN NO. 774/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.898	-6.112	-4.95270	-4.91930	-4.92000	-4.93080	.03340	-.01080	-.08430
.901	-2.023	-4.95270	-4.91930	-4.93130	-4.93080	.03340	.00050	-.11710
.900	-.988	-4.95270	-4.91930	-4.93130	-4.93080	.03340	.00050	-.12540
.899	.056	-4.95270	-4.91930	-4.93130	-4.93080	.03340	.00050	-.14180
.900	.557	-4.94310	-4.91930	-4.93130	-4.93080	.02380	.00050	-.14180
.900	1.069	-4.95270	-4.91930	-4.93130	-4.93080	.03340	.00050	-.15000
.900	2.113	-4.94310	-4.91930	-4.93130	-4.93080	.02380	.00050	-.13360
.898	3.158	-4.94310	-4.91930	-4.93130	-4.93080	.02380	.00050	-.15000
.898	4.219	-4.93350	-4.91930	-4.93130	-4.93080	.01420	.00050	-.15000
.898	6.299	-4.94310	-4.91930	-4.93130	-4.93080	.02380	.00050	-.16090
	GRADIENT	.00289	-.00000	-.00000	-.00000	-.00289	.00000	-.00356

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OAI45 TABULATED FORCE DATA

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(D2F044) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. X0
 YMRP = .0000 IN. Y0
 ZMRP = 375.0000 IN. Z0

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = -5.000
 AILRON = .000 BOFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 773/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.950	-6.125	-4.95270	-4.94150	-4.93130	-4.94160	.01120	-.01030	-.04320
.951	-2.033	-4.95270	-4.95260	-4.94260	-4.94160	.00010	.00100	-.18280
.951	-.996	-4.95270	-4.94150	-4.94260	-4.94160	.01120	.00100	-.12540
.951	.051	-4.95270	-4.95260	-4.94260	-4.94160	.00010	.00100	-.12540
.950	.556	-4.95270	-4.95260	-4.94260	-4.94160	.00010	.00100	-.11710
.951	1.067	-4.95270	-4.95260	-4.94260	-4.94160	.00010	.00100	-.13360
.950	2.120	-4.95270	-4.94150	-4.94260	-4.93080	.01120	.01180	-.10890
.949	3.166	-4.94310	-4.95260	-4.94260	-4.93080	-.00950	.01180	-.13360
.949	4.229	-4.94310	-4.93040	-4.94260	-4.93080	.01270	.01180	-.15000
.949	6.316	-4.95270	-4.93040	-4.93130	-4.93080	.02230	.00050	-.17190
	GRADIENT	.00168	.00199	-.00000	.00227	.00032	.00227	.00302

RUN NO. 769/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.201	-6.130	-4.96230	-4.91930	-4.94260	-4.94160	.04300	.00100	-.12540
1.203	-2.038	-4.96230	-4.91930	-4.95390	-4.94160	.04300	.01230	-.14180
1.193	-1.003	-4.96230	-4.91930	-4.94260	-4.94160	.04300	.00100	-.14180
1.198	.046	-4.97190	-4.91930	-4.94260	-4.94160	.05260	.00100	-.15000
1.201	.552	-4.97190	-4.91930	-4.94260	-4.94160	.05260	.00100	-.15000
1.200	1.071	-4.97190	-4.91930	-4.94260	-4.94160	.05260	.00100	-.15000
1.196	2.128	-4.96230	-4.91930	-4.94260	-4.94160	.04300	.00100	-.15000
1.199	3.172	-4.96230	-4.91930	-4.94260	-4.94160	.04300	.00100	-.15000
1.198	4.233	-4.95270	-4.91930	-4.93130	-4.94160	.03340	-.01030	-.15000
1.195	6.323	-4.95270	-4.91930	-4.94260	-4.94160	.03340	.00100	-.16090
	GRADIENT	.00144	-.00000	.00230	-.00000	-.00144	-.00230	-.00135

RUN NO. 762/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.294	-6.140	-4.96230	-4.95260	-4.92000	-4.93080	.00970	-.01080	-.12540
1.300	-2.046	-4.95270	-4.94150	-4.94260	-4.93080	.01120	.01180	-.13360
1.300	-1.003	-4.96230	-4.95260	-4.94260	-4.93080	.00970	.01180	-.14180
1.298	.052	-4.96230	-4.94150	-4.94260	-4.93080	.02080	.01180	-.14180
1.298	.561	-4.96230	-4.95260	-4.94260	-4.93080	.00970	.01180	-.14180
1.298	1.074	-4.96230	-4.95260	-4.94260	-4.93080	.00970	.01180	-.14180
1.296	2.132	-4.96230	-4.95260	-4.94260	-4.93080	.00970	.01180	-.14180
1.296	3.192	-4.96230	-4.94150	-4.94260	-4.93080	.02080	.01180	-.14180
1.295	4.244	-4.96230	-4.94150	-4.94260	-4.93080	.02080	.01180	-.14180
1.293	6.334	-4.94310	-4.95260	-4.94260	-4.93080	-.00950	.01180	-.15000
	GRADIENT	-.00095	.00048	-.00000	-.00000	.00143	.00000	-.00081

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OAI45 TABULATED FORCE DATA

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(02F044) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

ALPHA = 10.000 ELEVON = -5.000
 AILRON = .000 BDFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 761/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.404	-6.152	-4.95270	-4.95260	-4.94260	-4.94160	.00010	.00100	-.12540
1.403	-2.045	-4.95270	-4.95260	-4.94260	-4.93080	.00010	.01180	-.13360
1.409	-1.005	-4.95270	-4.94150	-4.94260	-4.93080	.01120	.01180	-.14180
1.409	.049	-4.95270	-4.95260	-4.94260	-4.93080	.00010	.01180	-.14180
1.407	.556	-4.95270	-4.95260	-4.94260	-4.93080	.00010	.01180	-.14180
1.407	1.072	-4.95270	-4.95260	-4.94260	-4.93080	.00010	.01180	-.14180
1.406	2.139	-4.95270	-4.95260	-4.93130	-4.93080	.00010	.00050	-.14180
1.406	3.183	-4.95270	-4.95260	-4.93130	-4.93080	.00010	.00050	-.14180
1.404	4.256	-4.95270	-4.95260	-4.94260	-4.93080	.00010	.01180	-.14180
1.404	6.356	-4.95270	-4.95260	-4.93130	-4.93080	.00010	.00050	-.15000
1.402	GRADIENT	-.00000	-.00073	.00119	.00000	-.00073	-.00119	-.00081

AMES 118-1-11 OAI45A 01

(02F045) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

ALPHA = 10.000 ELEVON = 5.000
 AILRON = .000 BDFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 783/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.597	-6.057	4.99640	4.98150	5.01950	5.01560	-.01490	-.00390	-.05140
.597	-1.995	4.99640	4.98150	5.01950	5.02630	-.01490	.00680	-.17190
.596	-.974	4.99640	4.98150	5.01950	5.01560	-.01490	-.00390	-.13360
.596	.057	4.99640	4.98150	5.01950	5.01560	-.01490	-.00390	-.15000
.596	.555	4.99640	4.98150	5.01950	5.01560	-.01490	-.00390	-.15000
.596	1.059	4.99640	4.98150	5.01950	5.01560	-.01490	-.00390	-.15000
.596	2.094	4.99640	4.98150	5.01950	5.01560	-.01490	-.00390	-.15000
.597	3.121	4.99640	4.98150	5.01950	5.01560	-.01490	-.00390	-.08430
.595	4.164	4.99640	4.98150	5.01950	5.01560	-.01490	-.00390	-.12540
.597	6.229	4.99640	4.98150	5.01950	5.01560	-.01490	-.00390	.00811
.597	GRADIENT	.00000	.00000	.00000	-.00108	-.00000	-.00108	

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

PAGE 1363

AMES 118-1-11 0A145A 01

(02F045) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = 5.000
 AILRON = .000 BOFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 780/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.798	-6.102	4.98670	4.98150	4.98650	5.02630	-.00520	.02980	-.04320
.797	-2.024	4.98670	4.98150	4.98650	5.02630	-.00520	.02980	-.12540
.799	-.992	4.98670	4.98150	4.98650	5.02630	-.00520	.02980	-.15000
.797	.050	4.98670	4.98150	4.98650	5.01560	-.00520	.01910	-.15000
.800	.553	4.98670	4.99310	4.98650	5.01560	-.00540	.01910	-.15000
.797	1.067	4.98670	4.98150	4.98650	5.01560	-.00520	.01910	-.16090
.799	2.111	4.98670	4.99310	4.98650	5.01560	-.00540	.01910	-.10890
.798	3.155	4.99640	4.99310	4.98650	5.01560	-.00330	.01910	-.13360
.798	-4.209	4.99640	4.99310	4.98650	5.02630	-.00330	.02980	-.15000
.798	6.289	4.99640	4.99310	4.98650	5.01560	-.00330	.01910	-.15000
	GRADIENT	.00170	.00228	.00000	-.00065	.00057	-.00065	.00016

RUN NO. 775/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.901	-6.132	5.00610	4.98150	5.00800	5.02630	-.02460	.01830	-.20460
.902	-2.031	4.99640	4.98150	5.00800	5.02630	-.01490	.01830	-.19370
.900	-.995	4.99640	4.98150	4.99650	5.02630	-.01490	.02980	-.11710
.899	.050	4.99640	4.98150	4.99650	5.02630	-.01490	.02980	-.14180
.900	.557	4.99640	4.98150	5.00800	5.02630	-.01490	.01830	-.15000
.901	1.071	4.99640	4.98150	4.99650	5.02630	-.01490	.02980	-.15000
.898	2.120	4.99640	4.98150	5.00800	5.02630	-.01490	.01830	-.15000
.898	3.168	5.00610	4.98150	4.99650	5.02630	-.02460	.02980	-.15000
.899	4.230	4.99640	4.96990	5.00800	5.02630	-.02650	.01830	-.18280
.897	6.312	5.00610	4.96990	5.00800	5.02630	-.03620	.01830	-.21560
	GRADIENT	.00068	-.00121	.00030	.00000	-.00189	-.00030	-.00151

RUN NO. 772/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.950	-6.133	4.99640	4.96990	4.99650	5.03700	-.02650	.04050	-.14180
.951	-2.044	4.98670	4.96990	4.99650	5.03700	-.01680	.04050	-.16090
.952	-1.005	4.98670	4.96990	4.99650	5.03700	-.01680	.04050	-.16090
.949	.046	4.99640	4.96990	4.99650	5.03700	-.02650	.04050	-.15000
.950	.554	4.98670	4.96990	4.99650	5.03700	-.01680	.04050	-.14180
.951	1.070	4.98670	4.96990	4.99650	5.03700	-.01680	.04050	-.15000
.950	2.123	4.98670	4.96990	4.99650	5.03700	-.01680	.04050	-.15000
.949	3.174	4.99640	4.96990	4.99650	5.03700	-.02650	.05120	-.13360
.951	4.237	4.99640	4.96990	4.99650	5.04770	-.02650	.02900	-.14180
.949	6.323	4.99640	4.96990	5.00800	5.03700	-.02650	.02900	-.00338
	GRADIENT	.00138	.00000	.00000	.00112	-.00138	.00112	

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0A145 TABULATED FORCE DATA

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(02F045) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

ALPHA = 10.000 ELEVON = 5.000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

PARAMETRIC DATA

RUN NO. 768/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.198	-6.137	4.96730	4.95830	4.99650	5.02630	-.00900	.02980	-.11710
1.200	-2.045	5.00610	4.95830	5.00800	5.02630	-.04780	.01830	-.13360
1.199	-1.008	5.00610	4.95830	5.00800	5.02630	-.04780	.01830	-.14180
1.201	.042	5.00610	4.95830	5.00800	5.02630	-.04780	.01830	-.14180
1.199	.549	4.99640	4.95830	5.00800	5.02630	-.03810	.01830	-.14180
1.200	1.063	5.00610	4.95830	5.00800	5.02630	-.04780	.01830	-.15000
1.200	2.122	5.00610	4.95830	5.00800	5.02630	-.04780	.01830	-.14180
1.197	3.173	5.00610	4.95830	5.00800	5.02630	-.04780	.01830	-.15000
1.197	4.239	5.00610	4.95830	5.00800	5.02630	-.04780	.01830	-.15000
1.195	6.329	5.00610	4.95830	5.00800	5.02630	-.04780	.01830	-.15000
	GRADIENT	.00015	.00000	.00000	.00000	-.00015	.00000	-.00225

RUN NO. 763/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.293	-6.163	5.00610	4.98150	5.00800	5.02630	-.02460	.01830	-.12540
1.295	-2.015	5.00610	4.98150	5.00800	5.02630	-.02460	.01830	-.13360
1.298	-.939	5.00610	4.98150	5.00800	5.02630	-.02460	.01830	-.13360
1.298	.152	5.00610	4.98150	4.99650	5.02630	-.02460	.02980	-.14180
1.298	.684	5.00610	4.98150	4.99650	5.01560	-.02460	.01910	-.14180
1.297	1.229	5.00610	4.98150	4.99650	5.02630	-.02460	.02980	-.14180
1.299	2.297	5.00610	4.98150	5.00800	5.01560	-.02460	.00760	-.14180
1.297	3.358	5.00610	4.98150	5.00800	5.01560	-.02460	.00760	-.14180
1.296	4.408	5.00610	4.96990	5.00800	5.01560	-.03620	.00760	-.14180
1.296	6.456	5.00610	4.96990	5.00800	5.01560	-.03620	.00760	-.15000
	GRADIENT	.00000	-.00117	.00049	-.00203	-.00117	-.00252	-.00133

RUN NO. 760/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.398	-6.152	4.99640	4.96990	4.99650	5.01560	-.02650	.01910	-.12540
1.405	-2.052	4.98670	4.96990	4.99650	5.01560	-.01680	.01910	-.13360
1.406	-1.011	4.98670	4.96990	5.00800	5.01560	-.00520	.00760	-.13360
1.406	.046	4.98670	4.98150	4.99650	5.01560	-.00520	.01910	-.13360
1.406	.555	4.98670	4.96990	5.00800	5.01560	-.01680	.00760	-.14180
1.406	1.073	4.98670	4.96990	5.00800	5.01560	-.01680	.00760	-.13360
1.406	2.132	4.98670	4.96990	5.00800	5.01560	-.01680	.00760	-.14180
1.404	3.189	4.98670	4.95830	5.00800	5.01560	-.02840	.00760	-.13360
1.405	4.248	4.98670	4.95830	5.00800	5.01560	-.02840	.00760	-.14180
1.404	6.354	4.98670	4.95830	5.00800	5.01560	-.02840	.00760	-.15000
	GRADIENT	.00000	-.00238	.00150	.00000	-.00238	-.00150	-.00102

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OAI45 TABULATED FORCE DATA

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(02F048) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = 3.000 BOFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 264/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.598	-5.793	2.97440	3.00370	-2.91080	-2.84130	.02930	.06950	.00000
.600	-1.898	2.97440	3.00370	-2.91080	-2.84130	.02930	.06950	.00000
.599	1.705	2.97440	3.00370	-2.92060	-2.84130	.02930	.07930	.00000
.598	4.213	2.97440	3.00370	-2.92060	-2.84130	.02930	.07930	.00000
.597	6.232	2.97440	3.00370	-2.92060	-2.84130	.02930	.07930	.00000
.598	7.275	2.97440	3.00370	-2.92060	-2.83260	.02930	.08800	.00000
.597	9.309	2.96410	3.00370	-2.91080	-2.83260	.03960	.07820	.00000
.597	11.363	2.97440	2.99270	-2.92060	-2.84130	.01820	.07930	.00000
.597	14.457	2.97440	2.99270	-2.92060	-2.84130	.01820	.07930	.00000
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00193	.00000

RUN NO. 250/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.802	-5.827	2.95380	3.01470	-2.92060	-2.84130	.06090	.07930	-.01020
.801	-1.827	2.96410	3.01470	-2.93040	-2.82390	.05060	.10650	-.03060
.800	1.693	2.96410	3.01470	-2.93040	-2.83260	.05060	.09780	-.04080
.799	4.212	2.96410	3.01470	-2.93040	-2.83260	.05060	.09780	.00000
.800	6.262	2.95380	3.01470	-2.93040	-2.83260	.06090	.09780	.00000
.798	7.289	2.95380	3.01470	-2.93040	-2.83260	.06090	.09780	.02080
.799	9.315	2.95380	3.01470	-2.92060	-2.83260	.06090	.08800	.04150
.800	11.385	2.95380	3.01470	-2.92060	-2.83260	.06090	.08800	.00000
.800	14.449	2.95380	3.01470	-2.92060	-2.83260	.06090	.08800	-.03060
GRADIENT		.00000	.00000	.00000	-.00173	.00000	-.00173	.00607

RUN NO. 197/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.902	-4.826	2.89210	2.94860	-3.15360	-2.90690	.05650	.24660	-.12230
.901	.374	2.89210	2.95960	-3.15360	-2.90690	.06750	.24660	-.12230
.900	2.924	2.89210	2.95960	-3.15360	-2.91830	.06750	.23530	-.15290
.899	5.484	2.89210	2.95960	-3.15360	-2.91830	.06750	.23530	-.15290
.900	7.520	2.89210	2.95960	-3.15360	-2.91830	.06750	.23530	-.15290
.901	8.526	2.89210	2.95960	-3.15360	-2.90690	.06750	.24660	-.12230
.896	10.558	2.89210	2.95960	-3.15360	-2.91830	.06750	.23530	-.08150
.898	12.646	2.88180	2.95960	-3.15360	-2.91830	.07780	.23530	-.08150
.901	15.735	2.88180	2.94860	-3.15360	-2.91830	.06680	.23530	-.07130
GRADIENT		.00000	.00152	.00000	-.00125	.00152	-.00124	-.00337

DATE 10 MAR 80

OAI145 TABULATED FORCE DATA

(02F046) (16 JUL 77)

AMES 118-1-11 OAI145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = 3.000 BDFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 194/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.955	-4.735	2.88180	2.93750	-3.16430	-2.89550	.05580	.26870	-.02040
.954	.477	2.89210	2.93750	-3.16430	-2.89550	.04550	.26870	-.02040
.954	3.079	2.89210	2.93750	-3.16430	-2.89550	.04550	.26870	-.01020
.953	5.609	2.89210	2.93750	-3.16430	-2.89550	.04550	.26870	-.03060
.954	7.628	2.89210	2.93750	-3.16430	-2.89550	.04550	.26870	-.03060
.956	8.699	2.88180	2.93750	-3.16430	-2.90690	.05580	.25740	-.04080
.950	10.739	2.88180	2.93750	-3.16430	-2.90690	.05580	.25740	-.09170
.950	12.781	2.88180	2.93750	-3.16430	-2.90690	.05580	.25740	-.18340
.953	15.825	2.88180	2.92650	-3.16430	-2.90690	.04480	.25740	-.13250
GRADIENT		.00141	.00000	.00000	.00000	-.00141	.00000	.00112

RUN NO. 431/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.100	-5.065	2.98470	3.02570	-3.02000	-2.84130	.04100	.17870	-.12540
1.101	-.081	2.98470	3.02570	-3.02000	-2.84130	.04100	.17870	-.13360
1.098	2.535	2.95380	3.02570	-3.02000	-2.84130	.07190	.17870	-.13360
1.096	5.135	2.95380	3.02570	-3.02000	-2.84130	.07190	.17870	-.12540
1.099	7.232	2.94350	3.02570	-3.02000	-2.84130	.08220	.17870	-.12540
1.098	8.215	2.95380	3.02570	-3.02000	-2.84130	.07190	.17870	-.12540
1.093	10.263	2.94350	3.02570	-3.02000	-2.84130	.08220	.17870	-.11710
1.100	12.320	2.93320	3.01470	-3.02000	-2.84130	.08150	.17870	-.12540
1.099	15.373	2.93320	3.01470	-3.02000	-2.84130	.08150	.17870	-.12540
GRADIENT		-.01181	-.00000	.00000	.00000	.01181	.00000	.00000

RUN NO. 229/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.199	-5.802	2.98470	3.03670	-2.91080	-2.83260	.05200	.07820	.06230
1.202	-.803	2.98470	3.02570	-2.91080	-2.83260	.04100	.07820	.05190
1.198	1.758	2.98470	3.02570	-2.92060	-2.83260	.04100	.08800	.06230
1.199	4.330	2.97440	3.02570	-2.91080	-2.83260	.05130	.07820	.08310
1.196	6.327	2.97440	3.02570	-2.92060	-2.83260	.05130	.08800	.08310
1.198	7.347	2.97440	3.02570	-2.92060	-2.83260	.05130	.08800	.09340
1.200	9.451	2.97440	3.02570	-2.92060	-2.83260	.05130	.08800	.08310
1.198	11.487	2.97440	3.01470	-2.92060	-2.83260	.04030	.08800	.08310
1.198	14.655	2.97440	3.01470	-2.92060	-2.83260	.04030	.08800	.10380
1.193	GRADIENT	-.00201	.00000	.00000	.00000	.00201	-.00000	.00608

DATE 10 MAR 80

OA145 TABULATED FORCE DATA

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(D2F046) (16 JUL 77)

AMES 118-1-11 0A145A 01

REFERENCE DATA

=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN. X0
=	474.8100	INCHES	YMRP	=	.0000	IN. Y0
=	936.6800	INCHES	ZMRP	=	375.0000	IN. Z0
=	.0500	SCALE				

BETA	=	.000	ELEVON	=	.000
AILRON	=	3.000	BDFLAP	=	.000
SPOBRK	=	25.000	RUDDER	=	.000
RN/L	=	5.000			

PARAMETRIC DATA

RUN NO.	220/ 0	RN/L =	4.98	GRADIENT INTERVAL =	-5.00/ 5.00
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MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.297	-5.057	2.98470	3.02570	-2.91080	-2.83260	.04100	.07820	-.03060
1.297	.167	2.98470	3.02570	-2.92060	-2.83260	.04100	.08800	-.02040
1.295	2.721	2.97440	3.01470	-2.91080	-2.83260	.04030	.07820	-.03060
1.295	5.260	2.97440	3.01470	-2.92060	-2.83260	.04030	.08800	-.02040
1.295	7.305	2.97440	3.01470	-2.92060	-2.83260	.04030	.08800	-.01020
1.297	8.339	2.97440	3.01470	-2.92060	-2.83260	.04030	.08800	-.02040
1.294	10.382	2.97440	3.01470	-2.91080	-2.83260	.04030	.07820	-.03060
1.292	12.454	2.97440	3.01470	-2.92060	-2.83260	.04030	.08800	-.03060
1.294	15.557	2.97440	3.00370	-2.92060	-2.83260	.02930	.08800	-.04080
GRADIENT		-.00403	-.00431	.00384	.00000	-.00027	-.00384	-.00399

RUN NO.	211 / 0	RN/L =	5.04	GRADIENT INTERVAL =	-5.00 /	5.00
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[illegible]

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO BETA = .000 ELEVON = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO AILRON = 5.000 BDFLAP = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPDBRK = 25.000 RUDDER = .000
 SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO.		0 / 0	RN/L = 4.98	GRADIENT INTERVAL = -5.00/ 5.00	
MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI
.599	-5.804	5.02550	4.90020	-4.87330	-4.88320
.601	-1.849	5.02550	4.91180	-4.88220	-4.87400
.599	1.678	5.02550	4.91180	-4.88220	-4.88320
.598	4.181	5.02550	4.91180	-4.88220	-4.87400
.597	6.206	5.02550	4.91180	-4.88220	-4.87400
.598	7.246	5.01580	4.91180	-4.88220	-4.87400
.597	9.316	5.02550	4.91180	-4.87330	-4.87400
.598	11.399	5.02550	4.91180	-4.87330	-4.87400
	GRADIENT	.00000	.00000	.00000	.00001
RUN NO.		0 / 0	RN/L = 5.01	GRADIENT INTERVAL = -5.00/ 5.00	
MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI
.801	-5.822	5.01580	4.91180	-4.88220	-4.90160
.800	-1.827	5.01580	4.91180	-4.88220	-4.89240
.800	1.696	5.01580	4.90020	-4.88220	-4.89240
.800	4.227	5.01580	4.90020	-4.88220	-4.89240
.797	6.266	5.01580	4.91180	-4.89110	-4.89240
.800	7.281	5.00610	4.91180	-4.88220	-4.90160
.799	9.340	5.00610	4.90020	-4.88220	-4.89240
.797	11.392	5.00610	4.91180	-4.88220	-4.89240
.799	14.460	5.00610	4.90020	-4.88220	-4.90160
	GRADIENT	.00000	.00229	.00000	.00000
RUN NO.		0 / 0	RN/L = 4.97	GRADIENT INTERVAL = -5.00/ 5.00	
MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI
.901	-4.753	4.96730	4.83050	-5.24100	-4.95240
.902	.488	4.97700	4.83050	-5.24100	-4.96320
.901	3.012	4.97700	4.83050	-5.24100	-4.96320
.898	5.525	4.97700	4.83050	-5.24100	-4.96320
.901	7.564	4.96730	4.83050	-5.24100	-4.96320
.898	8.599	4.96730	4.83050	-5.24100	-4.96320
.901	10.646	4.96730	4.83050	-5.24100	-4.96320
.900	12.718	4.96730	4.81890	-5.24100	-4.96320
.900	15.793	4.96730	4.81890	-5.24100	-4.96320
	GRADIENT	.00134	.00000	.00000	.00149

DELL	DELR	DRHL
-.12530	-.00990	-.09170
-.11370	-.00820	-.09170
-.11370	-.00100	-.09170
-.11370	.00820	-.09170
-.11370	.00820	-.10190
-.10400	.00820	-.10190
-.11370	.00070	-.11210
-.11370	-.00070	-.11210
-.00000	-.00001	-.00000
DELL	DELR	DRHL
-.10400	-.01940	-.13250
-.10400	-.01020	-.13250
-.11560	-.01020	-.13250
-.11560	-.01020	-.02040
-.10400	-.00130	-.02040
-.09430	-.01940	-.05100
-.10590	-.01020	-.05100
-.09430	-.01020	-.04080
-.10590	-.01940	-.05100
-.00229	.00000	.02219
DELL	DELR	DRHL
-.13680	.28860	.00000
-.14650	.27780	.00000
-.14650	.27780	.00000
-.14650	.27780	.00000
-.13680	.27780	.00000
-.13680	.27780	.00000
-.13680	.28860	.00000
-.14840	.27780	.00000
-.14840	.27780	.00000
-.00134	-.00149	.00000

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

PAGE 1369

AMES 118-1-11 OAI45A 01

(D2F047) (22 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = 5.000 BDFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 0/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.202	-5.874	5.02550	4.88860	-4.88220	-4.87400	-1.3690	.00820	.08310
1.202	-5.829	5.02550	4.88860	-4.89110	-4.87400	-1.3690	.01710	.08310
1.198	1.730	5.01580	4.88860	-4.90000	-4.87400	-1.2720	.02600	.09340
1.199	4.288	5.01580	4.87700	-4.91100	-4.88320	-1.3880	.02780	.08310
1.193	6.304	5.01580	4.87700	-4.91100	-4.88320	-1.3880	.02780	.10380
1.198	7.325	5.01580	4.87700	-4.92200	-4.87400	-1.3880	.04800	.10380
1.198	9.397	5.01580	4.87700	-4.90000	-4.88320	-1.3880	.01680	.10380
1.200	11.452	5.01580	4.87700	-4.93300	-4.88320	-1.3880	.04980	.08310
1.200	14.608	5.01580	4.86540	-4.92200	-4.88320	-1.5040	.03880	.08310
1.198	GRADIENT	-0.0190	-0.0227	-0.0389	-0.0180	-0.0037	.00209	.00000

RUN NO. 0/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.236	-5.885	5.01580	4.91180	-4.91100	-4.88320	-1.10400	.02780	-0.0080
1.297	-8.27	5.00610	4.90020	-4.91100	-4.88320	-1.10590	.02780	-0.0080
1.293	1.701	5.00610	4.90020	-4.92200	-4.88320	-1.0590	.03880	-0.0080
1.293	4.253	5.00610	4.90020	-4.92200	-4.88320	-1.0590	.03880	-0.0080
1.298	6.279	5.00610	4.90020	-4.92200	-4.89240	-1.0590	.02960	-0.05100
1.296	7.304	5.00610	4.90020	-4.92200	-4.89240	-1.0590	.02960	-0.05100
1.295	9.359	5.00610	4.90020	-4.92200	-4.89240	-1.0590	.02960	-0.05100
1.295	11.479	5.00610	4.88860	-4.93300	-4.89240	-1.1750	.04060	-0.04080
1.296	14.576	5.00610	4.88860	-4.92200	-4.89240	-1.1750	.02960	-0.04080
1.295	GRADIENT	-0.00000	.00000	-0.00216	.00000	.00000	.00216	.00000

RUN NO. 0/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.404	-5.157	5.00610	4.90020	-4.89110	-4.88320	-1.10590	.00790	.08310
1.404	-8.003	4.99640	4.88860	-4.89110	-4.88320	-1.0780	.00790	.07270
1.400	2.564	4.99640	4.90020	-4.89110	-4.89240	-0.9620	.00130	.07270
1.398	5.138	4.99640	4.88860	-4.91100	-4.89240	-1.0780	.01860	.08310
1.401	7.268	4.99640	4.88860	-4.90000	-4.89240	-1.0780	.00760	.09340
1.401	8.304	4.99640	4.88860	-4.90000	-4.89240	-1.0780	.00760	.09340
1.401	10.351	4.99640	4.88860	-4.89110	-4.90160	-1.0780	.01050	.09340
1.398	12.465	4.99640	4.88860	-4.90000	-4.90160	-1.0780	.00160	.08310
1.399	GRADIENT	.00000	.00452	.00000	-0.0358	.00452	-.00358	.00000

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0A145 TABULATED FORCE DATA

PAGE 1370

AMES 118-1-11 0A145A 01(-TO+)

(025045) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

ALPHA = 5.000 BETA = .000
ELEVON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

PARAMETRIC DATA

RUN NO. 258/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.599	-4.829	-4.80880	-4.85270	4.68320	4.97280	-0.4390	.28960	-1.4270
.599	-3.969	-4.16780	-3.84570	3.79000	4.07370	.32200	.28370	-1.5290
.599	-2.938	-3.04760	-2.87000	2.79540	3.04000	.17760	.24460	-1.4270
.599	-1.944	-1.99800	-1.93030	1.86780	1.97980	.06770	.11200	-1.4270
.599	-.999	-.95960	-.90060	1.04510	1.00000	-.03100	-.04510	-1.5290
.599	-.015	.00000	.00000	.01150	.04950	.00000	.03800	-1.6310
.598	.970	.94110	.98920	-.96000	-.98990	.04810	-.02990	-1.6310
.600	1.980	1.98430	2.00370	-1.95120	-1.98000	.01940	-.02880	-1.7330
.599	2.938	2.97440	3.02570	-2.92060	-2.83260	.05130	.08800	-1.6310
.599	3.944	3.96180	3.91270	-3.94640	-3.95450	-.04910	-.00800	-1.7330
.599	4.915	5.00610	4.88860	-4.87330	-4.89240	-.11750	-.01910	-1.6310
GRADIENT		1.01591	.99484	-.97867	-1.01059	-.02106	-.03192	-.00293

RUN NO. 257/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.800	-4.822	-4.79920	-4.86380	4.65350	4.97280	-.06460	.31930	.06230
.801	-3.977	-4.15960	-3.84570	3.80000	4.10130	.31380	.30130	.10380
.801	-2.948	-3.05710	-2.89000	2.79540	3.05000	.16710	.25460	.07270
.800	-1.951	-1.99800	-1.95110	1.87700	1.97980	.04690	.10280	.00000
.800	-.993	-.95960	-.97920	1.03370	1.00000	-.01960	-.03370	.04150
.801	-.006	.01700	.01020	.02300	.02970	-.00680	.00670	.09340
.801	.972	.94110	.98920	-.97000	-.98990	.04810	-.01990	.01040
.801	1.980	1.96290	2.02510	-1.95120	-1.98000	.06220	-.02880	-.02040
.801	2.934	2.96410	3.02570	-2.92060	-2.82390	.06160	.09670	.00000
.800	3.952	3.96180	3.92260	-3.96790	-3.95450	-.03950	.01340	-.02040
.800	4.928	5.03520	4.90020	-4.88220	-4.89240	-.13500	-.01020	-.02080
GRADIENT		1.01503	.99639	-.97799	-1.01098	-.01863	-.03259	-.00925

AMES 118-1-11 OAI45A 01(-TO+)

(02F048) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 BETA = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELEVON = .000 BOFLAP = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPOBRK = 25.000 RUDDER = .000
 SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 204/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.903	-4.927	-4.98150	-4.95260	4.85150	4.92080	.02890	.06930	.01040
.901	-4.053	-4.30650	-3.93930	3.93000	4.03680	.36720	.10680	.01040
.902	-3.017	-3.19030	-2.96000	2.91630	3.00000	.23030	.08370	.00000
.903	-2.008	-2.15560	-2.02390	1.91370	1.93940	.13160	.02570	.00000
.901	-1.036	-1.12480	-1.04750	1.02220	.95050	.07720	-.07170	.00000
.903	-.027	-.08080	-.04550	-.01000	-.01010	.03530	-.00010	.00000
.903	.983	.85910	.91780	-1.08650	-1.06860	.05870	.01790	.00000
.903	1.994	1.86640	1.95020	-2.11720	-2.04090	.08380	.07630	.00000
.902	2.981	2.89210	2.94860	-3.15360	-2.92970	.05650	.22390	.00000
.903	3.994	3.88020	3.86320	-4.20500	-4.02760	-.01700	.17740	.00000
.902	5.009	4.96730	4.83050	-5.27400	-4.96320	-.13680	.31080	.00000
GRADIENT	1.00595	.98393	.98393	-1.01057	-.99955	-.02202	.01102	-.00101

RUN NO. 195/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.955	-4.945	-4.98150	-4.98590	4.88120	4.93000	-.00440	.04880	-.08150
.955	-4.058	-4.30650	-3.92890	3.95000	4.04600	.37760	.09600	-.08150
.955	-3.005	-3.19980	-2.95000	2.88840	2.98000	.24980	.09160	-.09170
.956	-1.999	-2.13640	-2.03430	1.90450	1.91920	.10200	.01460	-.08150
.955	-1.034	-1.11440	-1.04750	1.03370	.94060	.06680	-.09310	-.08150
.954	-.035	-.06060	-.07970	.00000	.00000	-.01910	.00000	-.09170
.954	.966	.84150	.89740	-1.07690	-1.04900	.05590	.02790	-.09170
.952	1.996	1.87710	1.93950	-2.11720	-2.04960	.06240	.06760	-.10190
.953	2.975	2.90240	2.93750	-3.14290	-2.91830	.03520	.22450	-.09170
.954	3.994	3.88020	3.86320	-4.20500	-4.02760	-.01700	.17740	-.10190
.952	5.007	4.95760	4.85370	-5.24100	-4.97400	-.10390	.26700	-.09170
GRADIENT	1.00627	.98372	.98372	-1.01132	-.99869	-.02254	.01263	-.00211

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0A145 TABULATED FORCE DATA

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AMES 118-1-11 0A145A 01(-TO+)

(02F048) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

ALPHA = 5.000 BETA = .000
ELEVON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

PARAMETRIC DATA

RUN NO. 439/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.101	-4.79920	-4.79920	-4.86380	4.79500	4.97280	-.06460	.17780	-.13360
1.101	-4.058	-4.16780	-3.82490	4.08040	4.09210	.34280	.01170	-.14180
1.101	-3.002	-3.05710	-2.86000	3.05210	3.04000	.19710	-.01210	-.14180
1.101	-1.992	-2.00840	-1.93030	2.03870	1.98990	.07810	-.04880	-.14180
1.101	-1.007	-.96970	-.96780	1.09250	1.00000	.00190	-.09250	-.14180
1.101	-.001	.01700	.02040	.02300	.01980	.00340	-.00320	-.14180
1.101	.997	.95930	.99940	-1.04860	-.97980	.04010	.06880	-.13360
1.101	1.994	1.96290	2.00370	-2.02040	-1.98870	.04080	.03170	-.14180
1.101	2.970	2.98470	3.02570	-3.03000	-2.84130	.04100	.18870	-.14180
1.101	3.957	3.96180	3.92260	-3.99000	-3.95450	-.03920	.03550	-.14180
1.101	4.937	5.03520	4.90020	-4.93130	-4.88320	-.13500	.04810	-.14180
GRADIENT	1.00771	.98545	.98545	-1.00522	-1.00162	-.02225	.00360	-.00029

RUN NO. 237/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.200	-4.820	-4.79920	-4.86380	4.64360	4.97280	-.06460	.32920	.05190
1.201	-3.972	-4.16780	-3.85610	3.78000	4.08290	.31160	.30290	.06230
1.202	-2.938	-3.04760	-2.87000	2.79540	3.04000	.17760	.24460	.06230
1.201	-1.954	-2.00840	-1.93030	1.89540	1.97980	.07810	.08440	.08310
1.200	-.993	-.95960	-.95640	1.05660	1.00000	.00320	-.05660	.09340
1.201	-.003	.00000	.02040	.02300	.00990	.02040	-.01310	.09340
1.201	.967	.95020	.97900	-.97000	-.96970	.02880	.00030	.10380
1.200	1.980	1.98430	2.01440	-1.95120	-1.97020	.03010	-.01900	.09340
1.201	2.944	2.99500	3.02570	-2.93040	-2.82390	.03070	.10650	.08310
1.201	3.946	3.96180	3.92260	-3.95710	-3.94310	-.03920	.01410	.09340
1.201	4.921	5.00610	4.91180	-4.88220	-4.88320	-.09430	-.00100	.09340
GRADIENT	1.01608	.99671	.99671	-.97802	-1.00921	-.01937	-.03118	.00393

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OAI45 TABULATED FORCE DATA

PAGE 1373

AMES 118-1-11 OAI45A 01(-TO+)

(D2F048) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

ALPHA = 5.000
ELEVON = .000
SPDBRK = 25.000
RN/L = 5.000

BETA = .000
BOFLAP = .000
RUDDER = .000

PARAMETRIC DATA

RUN NO. 227/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.298	-4.830	-4.78000	-4.86380	4.69310	4.98350	-.08380	.29040	.02080
1.298	-3.979	-4.15960	-3.84570	3.82000	4.09210	.31380	.27210	.02080
1.297	-2.948	-3.06660	-2.86000	2.81400	3.05000	.20660	.23600	.02080
1.297	-1.961	-2.01880	-1.91990	1.90450	2.00000	.09890	.09550	.02080
1.297	-.993	-.96970	-.96780	1.03370	1.00000	.00190	-.03370	.02080
1.297	.004	.02550	.00000	.00000	.00990	-.02550	.00990	.05190
1.296	.967	.95930	.95860	-.96000	-.98990	-.00070	-.02990	.05190
1.296	1.977	1.96290	2.00370	-1.96080	-1.98000	.04080	-.01920	.04150
1.296	2.938	2.96410	3.02570	-2.93040	-2.83260	.06160	.09780	.01040
1.296	3.951	3.97200	3.92260	-3.96790	-3.94310	-.04940	.02480	.03110
1.296	4.921	5.00610	4.91180	-4.88220	-4.88320	-.09430	-.00100	.04150
GRADIENT	1.01377	.99443	.99443	-.98163	-1.01017	-.01933	-.02854	.00172

RUN NO. 218/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.404	-4.835	-4.78960	-4.86380	4.71290	4.97280	-.07420	.25990	.01040
1.404	-3.968	-4.15960	-3.84570	3.81000	4.05520	.31380	.24520	.01040
1.403	-2.948	-3.05710	-2.88000	2.81400	3.04000	.17710	.22600	.00000
1.403	-1.963	-2.00840	-1.95110	1.91370	1.97980	.05730	.06610	.00000
1.403	-.996	-.96970	-.96780	.95660	.99010	.00190	-.06650	.00000
1.404	-.008	.01700	.02040	.05740	.00990	.00340	-.04750	.00000
1.403	.972	.95930	.97900	-.98000	-.96970	.01970	.01030	.00000
1.403	1.982	1.97360	2.01440	-1.95120	-1.98870	.04080	-.03750	.00000
1.403	2.935	2.98470	2.99270	-2.91080	-2.85000	.00790	.06080	.00000
1.403	3.959	3.97200	3.92260	-3.94310	-3.94310	-.04940	.05690	.00000
1.404	4.909	5.00610	4.90020	-4.87330	-4.85560	-.10590	.01770	.00000
GRADIENT	1.01486	.99488	.99488	-.98316	-1.00710	-.01998	-.02394	-.00087

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OAI45 TABULATED FORCE DATA

PAGE 1374

AMES 118-1-11 OAI45A 01(+TO-)

(02F049) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = .000 BOFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 259/ 0 RN/L = 4.98

GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.599	-4.820	-4.79920	-4.86380	4.64360	4.97280	-.06460	.32920	-.17330
.598	-3.967	-4.16780	-3.83530	3.79000	4.07370	.33240	.28370	-.17330
.599	-2.941	-3.04760	-2.89000	2.77680	3.05000	.15760	.27320	-.17330
.599	-1.947	-1.99800	-1.94070	1.86780	1.97980	.05730	.11200	-.17330
.599	-.996	-.96970	-.99060	1.03370	.99010	-.02090	-.04360	-.17330
.600	-.004	.02550	.00000	.02300	.01980	-.02550	-.00320	-.18340
.598	.965	.94110	.97900	-.97000	-.96970	.03790	.00030	-.18340
.599	1.985	1.97360	2.02510	-1.95120	-1.98870	.05150	-.03750	-.18340
.599	2.933	2.97440	3.01470	-2.91080	-2.83260	.04030	.07820	-.18340
.599	3.949	3.96180	3.92260	-3.95710	-3.95450	-.03920	.00270	-.18340
.599	4.915	5.00610	4.88860	-4.87330	-4.89240	-.11750	-.01910	-.17330
GRADIENT	1.01572	.99641	.99641	-.97678	-1.01110	-.01931	-.03432	-.00094

RUN NO. 205/ 0 RN/L = 4.99

GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.902	-4.930	-4.96230	-4.97480	4.86140	4.92080	-.01250	.05940	.01040
.902	-4.050	-4.30650	-3.91850	3.94000	4.03680	.38800	.09680	.00000
.903	-3.007	-3.19030	-2.95000	2.90700	2.98000	.24030	.07300	.00000
.902	-1.998	-2.15560	-2.01350	1.90450	1.91920	.14200	.01460	.00000
.902	-1.039	-1.13510	-1.07030	1.01070	.94060	.06490	-.07010	.01040
.902	-.005	-.07070	-.02280	-.04000	-.03030	.04790	.00970	.00000
.903	.973	.84150	.89740	-1.08650	-1.06860	.05590	.01790	.00000
.904	1.993	1.85570	1.93950	-2.12700	-2.04960	.08380	.07740	.00000
.902	2.973	2.87150	2.94860	-3.15360	-2.91830	.07710	.23530	.00000
.901	3.996	3.88020	3.86320	-4.19600	-4.04600	-.01700	.15000	.00000
.8-1	5.005	4.95760	4.83050	-5.27400	-4.96320	-.12710	.31080	.00000
GRADIENT	1.00421	.98400	.98400	-1.01169	-1.00011	-.02021	.01157	-.00083

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OAI145 TABULATED FORCE DATA

PAGE 1375

ANES 118-1-11 OAI145A 01(+TO-)

(D2F049) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

ALPHA = 5.000 BETA = .000
 ELEVON = .000 BDFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 238/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.202	-4.820	-4.78960	-4.84160	4.56340	4.98350	-.05200	.32010	.09340
1.202	-3.969	-4.16780	-3.84570	3.77000	4.09210	.32200	.32210	.09340
1.201	-2.931	-3.04760	-2.86000	2.77680	3.04000	.18760	.26320	.09340
1.202	-1.954	-2.01880	-1.93030	1.88620	1.97980	.08850	.09360	.08310
1.201	-1.004	-.97980	-.97920	1.04510	1.01010	.00060	-.03500	.08310
1.200	-.000	.03400	.02040	.04590	.00990	-.01360	-.03600	.08310
1.202	.960	.95020	.96880	-.97000	-.94950	.01860	.02050	.09340
1.201	1.992	1.97360	2.02510	-1.98000	-1.98870	.05150	-.00870	.09340
1.200	2.946	2.99500	3.02570	-2.94020	-2.82390	.03070	.11630	.09340
1.204	3.952	3.95160	3.92260	-3.97860	-3.95450	-.02900	.02410	.09340
1.200	4.923	5.01580	4.91180	-4.98220	-4.98730	-.10400	-.00100	.09340
	GRADIENT	1.01555	.99503	-.97906	-1.01038	-.02051	-.03132	.00029

ANES 118-1-11 OAI145A 01

(D2F050) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

BETA = .000 ELEVON = 10.000
 AILRON = 3.000 BDFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 265/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.590	-5.765	13.07800	13.23700	6.43330	7.01090	.15920	.57760	-.15290
.590	-.875	13.06100	13.23700	6.43330	7.01090	.17630	.57760	-.15290
.597	1.656	13.06100	13.23700	6.42220	7.01090	.17630	.58870	-.14270
.598	4.230	13.06100	13.23700	6.43330	7.01090	.17630	.57760	-.14270
.597	6.252	13.06900	13.23700	6.43330	7.01090	.16780	.57760	-.14270
.599	7.297	13.06900	13.23700	6.43330	7.01090	.16780	.57760	-.14270
.598	9.347	13.06100	13.23700	6.43330	7.01090	.17630	.57760	-.15290
.597	11.401	13.06900	13.24600	6.42220	7.01090	.17730	.58870	-.17330
.597	14.446	13.06900	13.23700	6.43330	7.01090	.16780	.57760	-.18340
	GRADIENT	.00000	.00000	.00001	.00000	.00000	-.00001	.00199

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OAI45 TABULATED FORCE DATA

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(02F050) (16 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

BETA = .000 ELEVON = 10.000
 AILRON = 3.000 BDFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 251/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.800	-5.564	13.06900	13.23700	6.53330	6.98980	.16780	.45650	.00000
.800	-7.796	13.06900	13.23700	6.53330	6.98980	.16780	.45650	.01040
.800	1.724	13.06900	13.23700	6.53330	6.98980	.16780	.45650	.03110
.797	4.225	13.06900	13.22700	6.53330	6.98980	.15820	.45650	.04150
.798	6.299	13.06900	13.23700	6.53330	6.98980	.16780	.45650	.05190
.800	7.302	13.06100	13.22700	6.53330	6.98980	.16670	.45650	.04150
.798	9.357	13.06900	13.23700	6.53330	6.98980	.16780	.45650	.01040
.799	11.417	13.06100	13.22700	6.53330	6.98980	.16670	.45650	.04150
.798	14.482	13.06100	13.23700	6.53330	6.98980	.17630	.45650	.00000
GRADIENT		.00000	-.00199	.00000	.00000	-.00191	.00000	.00620

RUN NO. 198/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.902	-4.645	13.11200	13.21800	6.83330	6.94900	.10600	.11560	-.17330
.901	.495	13.11200	13.21800	6.83330	6.94900	.10600	.11560	-.18340
.902	3.017	13.11200	13.20800	6.84440	6.94900	.09640	.10450	-.22420
.899	5.585	13.11200	13.20800	6.83330	6.94900	.09640	.11560	-.22420
.893	7.615	13.10300	13.20800	6.84440	6.94900	.10490	.10450	-.20380
.900	8.641	13.10300	13.20800	6.84440	6.95920	.10490	.11470	-.19360
.899	10.681	13.10300	13.20800	6.83330	6.95920	.10490	.12590	-.13250
.900	12.749	13.09500	13.20800	6.84440	6.94900	.11350	.10450	-.10190
.900	15.834	13.09500	13.19900	6.83330	6.94900	.10390	.11560	-.12230
GRADIENT		.00000	-.00111	.00124	.00000	-.00107	-.00124	-.00595

RUN NO. 230/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.198	-5.825	12.94100	13.25600	6.48890	7.00000	.31490	.51110	.08310
1.202	-.830	12.94100	13.24600	6.48890	7.00000	.30530	.51110	.07270
1.197	1.739	12.94100	13.24600	6.48890	7.00000	.30530	.51110	.06230
1.194	4.320	12.93300	13.24600	6.48890	7.00000	.31390	.51110	.07270
1.200	6.341	13.06100	13.24600	6.48890	7.00000	.18590	.51110	.10380
1.197	7.387	13.06100	13.24600	6.48890	7.00000	.18590	.51110	.10380
1.196	9.469	13.05200	13.24600	6.48890	7.00000	.19440	.51110	.09340
1.193	11.551	13.05200	13.24600	6.50000	7.00000	.19440	.50000	.08310
1.198	14.675	13.04300	13.24600	6.48890	7.00000	.20290	.51110	.13500
GRADIENT		-.00155	.00000	.00000	.00000	.00167	.00000	.00000

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

PAGE 1377

AMES 118-1-11 OAI45A 01

(02F050) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = 10.000
AILRON = 3.000 BOFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 281/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.297	-5.836	13.07800	13.23700	6.54440	7.00000	.15920	.45560	-.03060
1.296	-7.758	13.06900	13.22700	6.54440	7.00000	.15820	.45560	-.03060
1.296	1.723	13.06100	13.22700	6.55560	7.00000	.16670	.44440	-.03060
1.297	4.286	13.06100	13.22700	6.54440	7.00000	.16670	.45560	-.04080
1.297	6.295	13.06100	13.22700	6.55560	7.00000	.16670	.44440	-.04080
1.297	7.340	13.06100	13.22700	6.54440	7.00000	.16670	.45560	-.04080
1.295	9.377	13.06100	13.22700	6.54440	7.00000	.16670	.45560	-.04080
1.295	11.493	13.06100	13.22700	6.54440	7.00000	.16670	.45560	-.04080
1.294	14.563	13.05200	13.21800	6.54440	7.00000	.16570	.45560	-.04080
	GRADIENT	-.00158	.00000	-.00002	-.00000	.00168	.00002	-.00203

RUN NO. 212/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.402	-5.003	13.07800	13.23700	6.55560	7.00000	.15920	.44440	-.07130
1.403	.143	13.06900	13.22700	6.55560	7.00000	.15820	.44440	-.08150
1.401	2.624	13.06100	13.22700	6.55560	7.00000	.16670	.44440	-.07130
1.400	5.224	13.06100	13.22700	6.55560	7.00000	.16670	.44440	-.07130
1.399	7.156	13.06100	13.22700	6.55560	7.00000	.16670	.44440	-.08150
1.399	8.215	13.06100	13.22700	6.55560	7.00000	.16670	.44440	-.08150
1.397	10.365	13.06100	13.21800	6.55560	7.00000	.15720	.44440	-.07130
1.398	12.471	13.05200	13.21800	6.56670	6.98980	.16570	.42310	-.08150
	GRADIENT	-.00323	-.00000	.00000	.00000	.00343	.00000	.00411

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OAI45 TABULATED FORCE DATA

PAGE 1378

AMES 118-1-11 OAI45A 01

(02F051) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

BETA = .000 ELEVON = 10.000
 AILRON = 5.000 BDELAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 266/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.599	-5.759	15.01500	15.03300	4.63370	4.98350	.01800	.34980	-.11210
.598	-.808	15.01500	15.03300	4.63370	4.98350	.01800	.34980	-.11210
.598	1.731	15.00600	15.03300	4.63370	4.98350	.02760	.34980	-.11210
.598	4.260	15.00600	15.03300	4.63370	4.98350	.02760	.34980	-.11210
.598	6.249	14.99600	15.02200	4.63370	4.98350	.02570	.34980	-.11210
.598	7.292	15.00600	15.03300	4.63370	4.98350	.02760	.34980	-.11210
.598	9.344	15.00600	15.03300	4.63370	4.98350	.02760	.34980	-.11210
.596	11.376	14.99600	15.02200	4.63370	4.98350	.02570	.34980	-.11210
.598	14.361	14.98700	15.02200	4.63370	4.98350	.03530	.34980	-.10190
GRADIENT		-.00178	.00000	.00000	.00000	.00190	.00000	.00000

RUN NO. 252/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.799	-5.804	14.99600	15.02200	4.70300	4.98350	.02570	.28050	-.03060
.801	-.811	14.99600	15.01000	4.70300	4.98350	.01420	.28050	-.03060
.799	1.730	14.99600	15.01000	4.70300	4.98350	.01420	.28050	.00000
.797	4.254	14.97700	15.01000	4.69310	4.98350	.03340	.29040	.00000
.799	6.290	14.98700	15.01000	4.70300	4.98350	.02380	.28050	.01040
.798	7.313	14.98700	15.01000	4.70300	4.98350	.02380	.28050	.01040
.797	9.349	14.98700	15.01000	4.70300	4.98350	.02380	.28050	.02080
.800	11.407	14.98700	15.01000	4.70300	4.98350	.02380	.28050	.02080
.800	14.475	14.98700	15.01000	4.70300	4.98350	.02380	.28050	-.09170
GRADIENT		-.00375	.00000	-.00195	-.00000	.00379	.00195	.00605

RUN NO. 199/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.901	-4.717	15.09200	14.97600	4.84160	4.89320	-.11640	.05160	.00000
.899	.480	15.08300	14.97600	4.84160	4.90240	-.10670	.06080	.00000
.901	3.010	15.09200	14.98700	4.84160	4.90240	-.10490	.06080	.00000
.901	5.575	15.09200	14.97600	4.84160	4.90240	-.11640	.06080	.00000
.901	7.609	15.09200	14.97600	4.84160	4.90240	-.11640	.06080	.00000
.900	8.631	15.08300	14.96400	4.85150	4.90240	-.11820	.05090	.00000
.900	10.668	15.08300	14.97600	4.84160	4.90240	-.10670	.06080	.00000
.898	12.725	15.08300	14.96400	4.84160	4.90240	-.11820	.06080	.00000
.898	15.811	15.08300	14.96400	4.84160	4.90240	-.11820	.06080	.00000
GRADIENT		-.00026	.00121	-.00000	.00128	.00154	.00128	.00000

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0A145 TABULATED FORCE DATA

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AMES 118-1-11 0A145A 01

(02F051) (15 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = 10.000
 AILRON = 5.000 BOFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 231/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.200	-5.826	15.00600	15.03300	4.65350	4.98350	.02760	.33000	.12460
1.205	- .826	14.99600	15.02200	4.65350	4.98350	.02570	.33000	.12460
1.199	1.740	14.98700	15.02200	4.65350	4.97280	.03530	.31930	.13500
1.194	4.319	14.98700	15.02200	4.65350	4.97280	.03530	.31930	.13500
1.196	6.345	14.98700	15.02200	4.65350	4.97280	.03530	.31930	.14540
1.195	7.308	14.98700	15.02200	4.65350	4.98350	.03530	.33000	.14540
1.199	9.448	14.98700	15.02200	4.65350	4.98350	.03530	.33000	.13500
1.197	11.531	14.98700	15.02200	4.65350	4.98350	.02380	.33000	.12460
1.186	14.663	14.98700	15.01000	4.65350	4.98350	.02380	.33000	.12460
GRADIENT		-.00175	.00000	.00000	-.00208	.00186	-.00208	.00202

RUN NO. 222/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.297	-5.831	15.02500	15.01000	4.69310	4.98350	-.01460	.29040	-.03060
1.299	- .826	15.01500	15.01000	4.69310	4.97280	-.00500	.27970	-.03060
1.296	1.690	15.00600	15.01000	4.70300	4.97280	.00460	.26980	-.03060
1.296	4.246	15.00600	15.01000	4.69310	4.97280	.00460	.27970	-.03060
1.294	6.285	15.00600	15.01000	4.69310	4.98350	.00460	.29040	-.03060
1.295	7.335	15.00600	15.01000	4.69310	4.97280	.00460	.27970	-.03060
1.295	9.400	15.00600	14.99900	4.69310	4.97280	-.00690	.27970	-.03060
1.294	11.529	15.00600	14.99900	4.69310	4.97280	-.00690	.27970	-.03060
1.294	14.578	15.01500	14.99900	4.69310	4.98350	-.01650	.29040	-.03060
GRADIENT		-.00177	.00000	-.00001	-.00000	.00189	.00001	-.00000

RUN NO. 213/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.403	-5.021	15.02500	15.01000	4.70300	4.97280	-.01460	.26980	.08310
1.409	.071	15.01500	15.01000	4.70300	4.97280	-.00500	.26980	.08310
1.401	2.659	15.00600	15.01000	4.70300	4.97280	.00460	.26980	.08310
1.401	5.133	15.00600	14.99900	4.70300	4.97280	-.00690	.26980	.09340
1.399	7.228	15.00600	14.99900	4.70300	4.97280	-.00690	.26980	.10380
1.398	8.183	14.99600	15.02200	4.70300	4.97280	.02570	.26980	.10380
1.397	10.226	15.00600	15.02200	4.70300	4.97280	.01610	.26980	.10380
1.397	12.377	15.00600	15.02200	4.70300	4.97280	.01610	.26980	.09340
1.398		-.00348	.00000	-.00000	.00000	.00371	-.00000	.00000

AMES 118-1-11 OAI45A 01

(D2F052) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
 AILRON = 3.000 BDELAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 263/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.599	-5.845	-7.03420	-6.80600	-12.95800	-12.87400	.22820	.08410	.00000
.600	-825	-7.03420	-6.80600	-12.96900	-12.87400	.22820	.09440	.00000
.600	1.714	-7.04380	-6.80600	-12.97900	-12.87400	.23780	.10460	.00000
.599	4.185	-7.03420	-6.80600	-12.97900	-12.87400	.22820	.10460	.00000
.599	6.244	-7.04380	-6.80600	-12.96900	-12.87400	.23780	.09440	.00000
.598	7.276	-7.04380	-6.80600	-12.96900	-12.87400	.23780	.09440	.00000
.597	9.311	-7.04380	-6.80600	-12.96900	-12.87400	.23780	.09440	.00000
.597	11.386	-7.05340	-6.80600	-12.96900	-12.87400	.24740	.09440	.00000
.596	14.452	-7.04380	-6.80600	-12.97900	-12.87400	.23780	.10460	.00000
GRADIENT		-.00002	.00000	-.00201	.00000	.00002	.00205	.00000

RUN NO. 249/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.801	-4.401	-7.04380	-6.82760	-12.97900	-12.88500	.21620	.09380	.13500
.801	-858	-7.04380	-6.82760	-12.98900	-12.88500	.21620	.10410	.14540
.801	1.652	-7.04380	-6.82760	-12.99900	-12.88500	.21620	.11430	.13500
.801	4.158	-7.05340	-6.82760	-12.99900	-12.88500	.22580	.11430	.12460
.800	6.242	-7.04380	-6.83840	-12.98900	-12.88500	.20540	.10410	.12460
.801	7.274	-7.04380	-6.83840	-12.98900	-12.88500	.20540	.10410	.14540
.797	9.291	-7.04380	-6.83840	-12.99900	-12.88500	.20540	.11430	.11420
.798	11.374	-7.04380	-6.83840	-12.99900	-12.88500	.20540	.11430	.09340
.800	14.472	-7.04380	-6.83840	-12.99900	-12.88500	.20540	.11430	.02080
GRADIENT		-.00096	.00000	-.00252	-.00000	.00096	.00258	-.00130

RUN NO. 196/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.901	-4.897	-7.24540	-6.91400	-13.70800	-13.00400	.33140	.70360	-.07130
.901	.348	-7.24540	-6.91400	-13.70800	-13.00400	.33140	.70360	-.08150
.900	2.925	-7.24540	-6.91400	-13.70800	-13.00400	.33140	.70360	-.09170
.899	5.453	-7.24540	-6.91400	-13.71800	-13.00400	.33140	.71380	-.07130
.900	7.497	-7.24540	-6.91400	-13.71800	-13.00400	.33140	.71380	-.08150
.899	8.518	-7.25500	-6.92480	-13.70800	-13.00400	.33020	.70360	-.08150
.899	10.575	-7.24540	-6.92480	-13.71800	-13.00400	.32060	.71380	-.05100
.899	12.653	-7.25500	-6.91400	-13.71800	-13.00400	.34100	.71380	-.04080
.899	15.714	-7.25500	-6.91400	-13.70800	-13.01500	.34100	.69270	-.08150
GRADIENT		-.00000	-.00000	-.00000	-.00000	.00000	.00000	-.00251

DATE 10 MAR 80

OAI145 TABULATED FORCE DATA

PAGE 1381

AMES 118-1-11 OAI145A 01

(02F052) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
 AILRON = 3.000 BDFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 228/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.201	-5.852	-7.03420	-6.81680	-12.98900	-12.88500	.21740	.10410	.04150
1.202	-8.19	-7.03420	-6.81680	-12.98900	-12.88500	.21740	.10410	.07270
1.202	1.746	-7.03420	-6.81680	-12.98900	-12.88500	.21740	.10410	.07270
1.198	4.283	-7.03420	-6.81680	-12.98900	-12.88500	.20660	.10410	.08310
1.197	6.292	-7.03420	-6.82760	-12.98900	-12.88500	.20660	.10410	.11420
1.198	7.325	-7.03420	-6.82760	-12.98900	-12.88500	.20660	.10410	.13500
1.195	9.415	-7.03420	-6.82760	-12.98900	-12.88500	.20660	.10410	.09340
1.194	11.495	-7.03420	-6.82760	-12.98900	-12.88500	.20660	.10410	.09340
1.190	14.688	-7.03420	-6.82760	-12.98900	-12.88500	.20660	.10410	.08310
GRADIENT		.00000	.00000	.00000	.00000	-.00000	-.00000	.00203

RUN NO. 219/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.297	-5.145	-7.04380	-6.81680	-12.97900	-12.87400	.22700	.10460	.00000
1.296	.127	-7.05340	-6.81680	-12.97900	-12.87400	.23660	.10460	.00000
1.296	2.634	-7.05340	-6.82760	-12.97900	-12.87400	.22580	.10460	.00000
1.294	5.220	-7.05340	-6.82760	-12.97900	-12.87400	.22580	.10460	.02080
1.295	7.253	-7.04380	-6.82760	-12.97900	-12.87400	.21620	.10460	.01040
1.296	8.281	-7.05340	-6.82760	-12.97900	-12.87400	.22580	.10460	.02080
1.296	10.367	-7.05340	-6.82760	-12.97900	-12.87400	.22580	.10460	.02080
1.295	12.437	-7.05340	-6.82760	-12.98900	-12.86300	.22580	.12570	.02080
1.294	15.586	-7.05340	-6.82760	-12.97900	-12.86300	.22580	.11550	-.03060
GRADIENT		.00000	-.00431	.00000	.00000	-.00431	.00000	.00000

RUN NO. 210/ 0 RN/L = 5.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.404	-5.113	-7.04380	-6.82760	-12.98900	-12.88500	.21620	.10410	-.06110
1.404	.044	-7.04380	-6.82760	-12.98900	-12.88500	.21620	.10410	-.05100
1.403	2.591	-7.04380	-6.83840	-12.98900	-12.88500	.20540	.10410	-.05100
1.400	5.117	-7.04380	-6.83840	-12.98900	-12.88500	.20540	.10410	-.05100
1.399	7.126	-7.04380	-6.83840	-12.98900	-12.88500	.20540	.10410	-.05100
1.400	8.162	-7.05340	-6.83840	-12.98900	-12.88500	.21500	.10410	-.06110
1.401	10.299	-7.04380	-6.83840	-12.98900	-12.88500	.20540	.10410	-.07130
1.399	12.358	-7.04380	-6.83840	-12.98900	-12.88500	.20540	.10410	-.08150
1.400	15.483	-7.04380	-6.83840	-12.98900	-12.88500	.20540	.10410	-.09170
GRADIENT		.00000	-.00424	.00000	.00000	-.00424	.00000	-.00000

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OAI45 TABULATED FORCE DATA

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(02F053) (16 JUL 77)

REFERENCE DATA

SREF = 2590.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
 AILRON = 5.000 BOFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 268/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.596	-5.885	-4.79920	-4.85270	-14.97400	-14.93600	-.05350	.03740	.00000
.601	-.994	-4.79920	-4.85270	-14.97400	-14.92600	-.05350	.04770	.00000
.600	1.692	-4.79920	-4.85270	-14.96400	-14.92600	-.05350	.03790	.00000
.599	4.163	-4.79920	-4.85270	-14.96400	-14.92600	-.05350	.03790	.00000
.599	6.224	-4.79920	-4.85270	-14.97400	-14.92600	-.05350	.04770	.00000
.598	7.253	-4.79920	-4.85270	-14.97400	-14.92600	-.05350	.04770	.00000
.598	9.292	-4.80880	-4.85270	-14.97400	-14.92600	-.04390	.04770	.00000
.597	11.359	-4.81840	-4.85270	-14.96400	-14.92600	-.03430	.03790	.00000
.597	14.446	-4.80880	-4.85270	-14.96400	-14.92600	-.04390	.03790	.00000
GRADIENT		.00000	.00000	.00197	.00000	.00000	-.00193	.00000

RUN NO. 254/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.798	-5.855	-4.80880	-4.87490	-14.94400	-14.93600	-.06610	.00800	-.14270
.802	-.853	-4.81840	-4.87490	-14.95400	-14.93600	-.05650	.01780	-.09170
.801	1.659	-4.81840	-4.87490	-14.95400	-14.93600	-.05650	.01780	-.01020
.802	4.171	-4.82800	-4.87490	-14.96400	-14.93600	-.04690	.02760	-.09170
.800	6.229	-4.83760	-4.87490	-14.95400	-14.93600	-.03730	.01780	-.09170
.800	7.261	-4.83760	-4.87490	-14.95400	-14.93600	-.03730	.01780	-.09170
.798	9.290	-4.81840	-4.87490	-14.95400	-14.93600	-.05650	.01780	-.03060
.799	11.355	-4.82800	-4.87490	-14.95400	-14.93600	-.04690	.01780	.00000
.801	14.459	-4.81840	-4.87490	-14.96400	-14.93600	-.05650	.02760	-.01020
GRADIENT		-.00191	.00000	-.00199	.00000	.00191	.00195	.00000

RUN NO. 201/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.899	-4.804	-4.96230	-4.95260	-15.75500	-15.06000	.00970	.69540	-.19360
.902	.367	-4.97190	-4.95260	-15.75500	-15.06000	.01930	.69540	-.23440
.902	2.926	-4.97190	-4.95260	-15.75500	-15.06000	.01930	.69540	-.32610
.899	5.475	-4.97190	-4.96370	-15.75500	-15.06000	.00820	.69540	-.32610
.897	7.531	-4.97190	-4.95260	-15.75500	-15.06000	.01930	.69540	-.01020
.901	8.584	-4.97190	-4.96370	-15.75500	-15.06000	.00820	.69540	.00000
.901	10.607	-4.97190	-4.96370	-15.76500	-15.06000	.00820	.70500	.07270
.899	12.685	-4.97190	-4.96370	-15.76500	-15.07000	.00820	.69470	.06230
.900	15.759	-4.98150	-4.96370	-15.75500	-15.06000	.01780	.69540	.05190
GRADIENT		-.00133	-.00000	-.00000	-.00000	.00133	.00000	-.01580

AMES 118-1-11 0A145A 01

(02F053) (16 JUL 77)

REFERENCE DATA

=	SREF	=	2690.0000	SQ.FT.	=	XMRP	=	1076.6800	IN.	XO
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=	BREF	=	936.6800	INCHES	=	ZMRP	=	375.0000	IN.	ZO
=	SCALE	=	.0500							

PARAMETRIC DATA

BETA	=	.000	ELEVON	=	-10.000
AILRON	=	5.000	BDFLAP	=	.000
SPDBRK	=	25.000	RUDDER	=	.000
RN/L	=	5.000			

RUN NO.	233/ 0	RN/L =	5.00	GRADIENT INTERVAL =	-5.00/	5.00
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MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.202	-4.500	-4.78000	-4.86270	-14.96400	-14.92600	-.07270	.03790	.09340
1.202	-.794	-4.78000	-4.86380	-14.96400	-14.92600	-.08380	.03790	.07270
1.201	1.201	-4.78960	-4.86380	-14.97400	-14.92600	-.07420	.04770	.09340
1.199	4.307	-4.78960	-4.86380	-14.97400	-14.92600	-.07420	.04770	.10380
1.196	6.324	-4.78960	-4.86380	-14.97400	-14.92600	-.07420	.03740	.09340
1.199	7.362	-4.78960	-4.86380	-14.97400	-14.92600	-.07420	.04770	.10380
1.196	9.434	-4.78960	-4.86380	-14.97400	-14.92600	-.07420	.04770	.09340
1.202	11.524	-4.78960	-4.86380	-14.97400	-14.92600	-.07420	.04770	.07270
1.199	14.560	-4.79920	-4.86380	-14.97400	-14.92600	-.06460	.04770	.07270
GRADIENT		-.00129	-.00123	-.00134	.00000	.00006	.00131	.00149

RUN NO.	224	0	RN/L	=	5.02	GRADIENT	INTERVAL	=	-5.00	5.00
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MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.239	-5.915	-4.80880	-4.86380	-14.97400	-14.92600	-05500	0.4770	.00000
1.300	-1.829	-4.80880	-4.87490	-14.96400	-14.92600	-06610	0.3790	.02080
1.299	1.730	-4.80880	-4.87490	-14.97400	-14.92600	-06610	0.4770	.01040
1.296	4.217	-4.80880	-4.87490	-14.97400	-14.92600	-06610	0.4770	.01040
1.295	6.249	-4.80880	-4.87490	-14.97400	-14.92600	-06610	0.4770	.01040
1.299	7.285	-4.80880	-4.87490	-14.97400	-14.92600	-06610	0.4770	.00000
1.299	9.374	-4.81840	-4.88600	-14.97400	-14.93600	-06760	0.3740	-.02040
1.310	11.436	-4.80880	-4.88600	-14.97400	-14.92600	-07720	0.4770	.00000
1.306	14.566	-4.80880	-4.88600	-14.97400	-14.92600	-07720	0.4770	.00000
GRADIENT		.00000	.00000	-.00199	.00000	.00000	.00195	-.00205

RUN NO.	215/ 0	RN/L =	5.00	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

DATE 10 MAR 80

OAI145 TABULATED FORCE DATA

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AMES 118-1-11 OAI145A 01

(D2F054) (22 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 AILRON = 5.000 BDFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 0/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH

ELEVON

ELV-LO

ELV-LI

ELV-RO

ELV-RI

DELL

DELR

DRHL

RUN NO.

0/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH

ELEVON

ELV-LO

ELV-LI

ELV-RO

ELV-RI

DELL

DELR

DRHL

DATE 10 MAR 80

OAI145 TABULATED FORCE DATA

PAGE 1386

(02F054) (22 JUL 77)

AMES 118-1-11 OAI145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 AILRON = 5.000 BDFLAP = .000
 SPDRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 0/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.202	-29.965	-25.03800	-25.03500	-34.72600	-35.06200	.00260	-.33580	.08310
1.202	-19.985	-15.11800	-14.95500	-24.97000	-24.89600	.16340	.07480	.06230
1.202	-14.932	-9.98060	-9.90160	-19.91600	-19.93000	.07900	-.01370	.08310
1.201	-9.883	-4.78000	-4.86380	-14.96400	-14.92600	-.08380	.03790	.07270
1.199	-5.969	-.96970	-.95640	-1.03300	-10.91700	.01330	.11520	.08310
1.199	-3.967	.95020	.99940	-8.91920	-8.89800	.04920	.02120	.07270
1.200	-1.990	2.98470	3.01470	-6.99000	-6.96970	.03000	.02030	.07270
1.199	.042	5.02550	4.90020	-4.88220	-4.87400	.12530	.00820	.07270
1.200	2.057	6.98130	6.98300	-2.91080	-2.82390	.00170	.08690	.07270
1.201	4.004	8.73910	9.22780	-.97000	-.97980	.48870	-.00980	.07270
1.199	6.117	11.23400	11.19900	1.02220	1.01010	-.03530	-.01210	.08310
1.198	9.921	15.02500	15.03300	4.64360	4.98350	.00840	.33990	.09340
1.202	14.878	20.00900	20.16000	9.33790	10.00500	.15070	.66680	.07270
GRADIENT		.97932	1.02154	.99942	.99971	.04222	.00029	.00000

RUN NO. 0/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.297	-29.986	-25.04800	-25.07900	-34.75600	-35.06200	-.03110	-.30550	-.03060
1.299	-19.997	-15.14000	-14.95500	-24.98900	-24.90600	.18560	.08310	-.12230
1.300	-14.937	-10.00000	-9.91270	-19.91600	-19.91900	.08750	-.00300	-.15290
1.297	-9.881	-4.78000	-4.84160	-14.95400	-14.94700	-.06160	.00750	.00000
1.294	-5.972	-.96970	-.97920	-1.02110	-10.91700	.00950	.10400	.02080
1.295	-3.975	.95020	.96880	-8.92930	-8.88780	.01860	.04150	.03110
1.295	-1.995	2.97440	3.01470	-7.01980	-6.94950	.04030	.07030	.00000
1.296	.040	5.00610	4.91180	-4.87330	-4.88320	-.09430	-.00990	.04150
1.297	2.053	6.97240	6.98300	-2.92060	-2.82390	.01060	.09670	.04150
1.296	4.001	8.74690	9.22780	-.93000	-.97980	.48090	.01020	.05190
1.297	6.125	11.23400	11.21800	1.05660	.99010	-.01610	-.06650	.04150
1.296	9.934	15.01500	15.04500	4.70300	4.97280	.02950	.26980	.02080
1.297	14.726	19.60900	19.90300	9.39890	9.99540	.29390	.59650	.05190
GRADIENT		.97971	1.02412	.99899	.99721	.04441	-.00179	.00417

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01 (D2F054) (22 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 BETA = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO AILRON = 5.000 BDFLAP = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPDBRK = 25.000 RUDDER = .000
 SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 0/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00
 MACH 1.403
 ELEVON -29.992
 ELV-LO -25.05800
 ELV-LI -25.09000
 ELV-RO -34.76600
 ELV-RI -35.05300
 DELR -.28660
 DRHL .00000
 1.404 -19.982
 -15.12900
 -14.96500
 -24.96100
 -24.87400
 .16420
 .08660
 1.405 -14.927
 -10.00000
 -9.91270
 -19.90600
 -19.88700
 .08750
 .01900
 1.402 -9.893
 -4.79920
 -4.85270
 -14.96400
 -14.95700
 -.05350
 .00700
 1.401 -5.969
 -3.967
 -9.97980
 -9.96780
 -10.91700
 .01200
 .09280
 1.403 -1.990
 2.97440
 3.01470
 -8.90910
 -8.88780
 .02130
 .00000
 1.403 .045
 5.02550
 4.91180
 -4.89110
 -4.86480
 .02630
 .00000
 1.402 4.002
 8.72360
 9.19500
 -2.92060
 -2.82390
 .09670
 .00000
 1.402 5.881
 10.24900
 11.20900
 1.06810
 1.00000
 .00000
 1.401 9.949
 15.01500
 15.03300
 4.72280
 5.02630
 .01800
 .00000
 1.401 14.761
 19.75200
 19.85300
 9.42500
 10.01400
 .10130
 .00000
 GRADIENT 14.761
 .97879
 1.02012
 1.00142
 .99968
 .04133
 -.00174

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

PAGE 1388

AMES 118-1-11 OAI45A 01

(02F055) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = 2.000
 AILRON = 5.000 BDFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 217/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.401	-29.983	-25.05800	-25.04600	-34.76600	-35.06200	.01220	-.29540	.04150
1.403	-19.987	-15.14000	-14.95500	-24.97000	-24.88500	.18560	-.08540	.03110
1.403	-14.938	-10.00000	-9.92380	-19.89600	-19.93000	.07640	-.03390	.03110
1.404	-9.888	-4.79920	-4.86380	-14.96400	-14.92600	-.06460	.03790	.03110
1.403	-5.974	-.98900	-.97920	-11.02100	-10.90600	.01070	.11520	.03110
1.403	-3.965	.95930	.96880	-8.89900	-8.88780	.00950	.01120	.03110
1.404	-1.985	2.98470	3.02570	-7.00000	-6.94950	.04100	.05050	.03110
1.403	.033	5.02550	4.91180	-4.93300	-4.87400	-.11370	.05900	.03110
1.403	2.039	6.95460	6.98300	-2.92060	-2.86140	.02840	.05920	.02080
1.404	3.996	8.73910	9.20320	-.98000	-.97980	.46410	.00020	.03110
1.403	6.119	11.22600	11.21800	1.03370	1.00000	-.00760	-.03370	.03110
1.401	9.928	15.02500	15.01000	4.68320	4.99420	-.01460	.31100	.03110
1.401	14.754	19.75200	19.83300	9.43380	9.99540	.08150	.56160	.02080
	GRADIENT	.97927	1.02401	.99868	.99804	.04473	-.00064	-.00052

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(02F056) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = -5.000 BETA = .000
AILRON = 5.000 BOFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 234/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.198	-29.975	-25.04800	-25.04600	-34.73600	-35.07100	.00190	-.33450	.08310
1.208	-19.987	-15.14000	-14.94400	-24.98000	-24.88500	.19590	.09490	.08310
1.209	-14.932	-9.99040	-9.91270	-19.91600	-19.90900	.07770	.00770	.07270
1.206	-9.891	-4.78960	-4.87490	-14.97400	-14.92600	-.08530	.04770	.06230
1.206	-5.972	-.98970	-.96780	-11.03300	-10.91700	.00190	.11520	.06230
1.202	-3.970	.95930	.98920	-8.93940	-8.88780	.02990	.05160	.06230
1.204	-1.985	2.98470	3.02570	-7.00000	-6.94950	.04100	.05050	.06230
1.202	.052	5.02550	4.91180	-4.86440	-4.86480	-.11370	-.00040	.06230
1.203	2.049	6.98130	6.96890	-2.93040	-2.82390	-.01240	.10650	.05190
1.202	4.006	8.74690	9.22780	-.96000	-.98990	.48090	-.02990	.06230
1.202	6.124	11.24300	11.20900	1.03370	1.01010	-.03420	.02360	.06230
1.201	9.914	15.00600	15.03300	4.64360	4.97280	.02760	.32920	.07270
1.201	14.858	20.03800	20.07100	9.32920	9.99540	.03300	.66620	.06230
	GRADIENT	.97941	1.02152	1.00218	.99687	.04211	-.00531	-.00053

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0A145 TABULATED FORCE DATA

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AMES 118-1-11 0A145A 01

(02F057) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = -11.700
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

PARAMETRIC DATA

RUN NO. 297/ 0 RN/L = 4.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.599	-5.042	.02550	.01020	.00000	.01980	-.01530	.01980	-.06110
.600	-.075	.02550	.01020	.00000	.00990	-.01530	.00990	-.03060
.598	2.467	.02550	.01020	.00000	.00000	-.01530	.00000	-.01020
.597	4.965	.02550	.01020	.00000	.01980	-.01530	.01980	-.01020
.597	5.983	.02550	.01020	.00000	.01980	-.01530	.01980	.01040
.597	7.021	.02550	.01020	.00000	.01980	-.01530	.01980	-.02040
.598	8.054	.01700	.01020	.00000	.01980	-.00680	.01980	-.03060
.597	9.063	.01700	.01020	.00000	.01980	-.00680	.01980	-.04080
.598	10.095	.01700	.01020	.00000	.01980	-.00680	.01980	-.04080
.597	11.136	.01700	.00000	.00000	.01980	-.01700	.01980	-.04080
.597	12.178	.01700	.00000	.00000	.01980	-.01700	.01980	-.04080
.538	13.183	.00850	.00000	.00000	.01980	-.00850	.01980	-.02040
.537	15.225	.01700	.00000	.00000	.01980	-.01700	.01980	-.04080
GRADIENT		.00000	.00000	.00000	.00195	.00000	.00195	.00406

RUN NO. 291/ 0 RN/L = 4.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.799	-5.060	.00000	.02040	.02300	.01980	.02040	-.00320	-.05100
.800	-.091	.00000	.02040	.02300	.01980	.02040	-.00320	-.05100
.799	2.433	.00000	.02040	.02300	.01980	.02040	-.00320	-.07130
.798	4.967	.00000	.02040	.02300	.02970	.02040	.00670	-.08150
.798	5.995	.00000	.02040	.02300	.02970	.02040	.00670	-.07130
.798	7.044	.00000	.01020	.01150	.02970	.01020	.01820	-.08150
.798	8.056	.00000	.01020	.02300	.02970	.01020	.00670	-.07130
.800	9.100	.00000	.01020	.02300	.02970	.01020	.00670	-.07130
.797	10.098	.00000	.01020	.02300	.02970	.01020	.00670	-.06110
.798	11.150	.00000	.01020	.02300	.01980	.01020	-.00320	-.06110
.796	12.156	.00000	.01020	.02300	.01980	.01020	-.00320	-.06110
.797	13.199	.00000	.01020	.02300	.01980	.01020	-.00320	-.05100
.798	15.246	.00000	.01020	.02300	.01980	.01020	-.00320	-.05100
GRADIENT		.00000	.00000	.00000	.00196	.00000	.00196	-.00603

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO

LREF = 474.8100 INCHES YMRP = .0000 IN. YO

BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO

SCALE = 0500

RUN NO. 288/ 0 RN/L = 4.95				GRADIENT INTERVAL = -5.00/ 5.00			
MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELRL
.901	-5.079	.00000	.03060	.03450	.01980	.03060	.08310
.901	-1.102	.00000	.02040	.03450	.01980	.02040	.11420
.899	2.461	.00000	.02040	.03450	.01980	.02040	.08310
.896	5.000	.00000	.02040	.03450	.01980	.02040	.04150
.899	6.016	.00000	.02040	.03450	.01980	.02040	.02080
.899	7.047	.00000	.02040	.03450	.02970	.02040	.00480
.898	8.076	.00000	.02040	.02300	.01980	.02040	.03110
.899	9.148	.00000	.02040	.02300	.01980	.02040	.04150
.899	10.118	.00000	.02040	.02300	.01980	.02040	.09340
.897	11.189	.00850	.02040	.02300	.01980	.01190	.12460
.899	12.200	.00000	.01020	.03450	.02970	.01020	.17650
.897	13.239	.00000	.02040	.02300	.01980	.02040	.24920
.903	15.258	.00000	.01020	.03450	.01980	.01020	.32190
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.01214

RUN NO. 282/ 0 RN/L = 4.95				GRADIENT INTERVAL = -5.00/ 5.00			
MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELRL
.952	-5.075	.00000	.02040	.01150	.01980	.02040	.00830
.952	-0.068	.00850	.02040	.01150	.02970	.01190	.01820
.950	2.467	.00000	.02040	.01150	.01980	.02040	.00830
.946	5.034	.00000	.02040	.01150	.01980	.02040	.00830
.949	6.022	.00000	.02040	.00000	.01980	.02040	.02080
.948	7.066	.00000	.02040	.01150	.01980	.02040	.04150
.947	8.086	.00850	.02040	.01150	.01980	.01190	.07270
.954	9.110	.00850	.01020	.01150	.02970	.01170	.15590
.944	10.250	.00000	.02040	.01150	.01980	.02040	.00830
.945	11.198	.00000	.02040	.01150	.01980	.02040	.13500
.946	12.192	.00000	.02040	.01150	.01980	.02040	.00830
.947	13.209	.00850	.02040	.01150	.01980	.01190	.00830
.951	15.291	.00000	.02040	.01150	.01980	.02040	.12230
	GRADIENT	.00000	.00000	.00000	.00391	.00335	.02047

PARAMETRIC DATA

BETA = .000 ELEVON = .000

AILERON = .000 BOFLAP = -11.700

SPOBRK = 25.000 RUDDER = .000

RN/L = 5.000

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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(02F057) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BOFLAP = -11.700
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 315/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.099	-5.095	.0340	.0306	.0115	.0180	-.0034	.0083	-.0611
1.109	.016	.0255	.0102	.0115	.0180	-.0153	.0083	-.0611
1.102	2.492	.0255	.0204	.0115	.0180	-.0051	.0083	-.0510
1.098	3.017	.0255	.0204	.0115	.0180	-.0051	.0083	-.0510
1.094	5.104	.0255	.0204	.0115	.0180	-.0051	.0083	-.0510
1.097	6.188	.0255	.0204	.0115	.0297	-.0051	.0182	-.0611
1.100	7.104	.0255	.0204	.0115	.0180	-.0051	.0083	-.0713
1.099	8.134	.0170	.0204	.0115	.0180	.0034	.0083	-.0713
1.098	9.148	.0255	.0204	.0115	.0180	-.0051	.0083	-.0815
1.096	10.202	.0255	.0204	.0115	.0180	-.0051	.0083	-.0815
1.097	11.192	.0340	.0204	.0115	.0180	-.0136	.0083	-.0917
1.097	12.240	.0255	.0204	.0000	.0180	-.0051	.0180	-.0917
1.097	13.301	.0255	.0204	.0115	.0180	-.0051	.0083	-.0917
1.097	15.365	.0170	.0102	.0115	.0180	-.0068	.0083	-.0917
1.091	GRADIENT	-.0000	.00362	.0000	.0000	.00362	-.0000	.00359

RUN NO. 314/ 0 RN/L = 5.12 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.200	-5.143	.0255	.0204	.0115	.0180	-.0051	.0083	-.0510
1.200	-.059	.0255	.0204	.0115	.0180	-.0051	.0083	-.0611
1.198	2.851	.0170	.0204	.0115	.0180	.0034	.0083	-.0611
1.196	5.053	.0255	.0204	.0115	.0180	-.0051	.0083	-.0611
1.197	6.078	.0255	.0204	.0115	.0180	-.0051	.0083	-.0510
1.198	7.079	.0255	.0204	.0115	.0180	-.0051	.0083	-.0510
1.198	8.146	.0255	.0204	.0115	.0180	-.0051	.0083	-.0611
1.198	9.235	.0255	.0204	.0115	.0180	-.0051	.0083	-.0611
1.197	10.335	.0255	.0204	.0115	.0180	-.0051	.0083	-.0713
1.195	11.245	.0255	.0102	.0115	.0180	-.0153	.0083	-.0815
1.195	12.262	.0255	.0102	.0115	.0180	-.0153	.0083	-.0815
1.197	13.283	.0255	.0102	.0000	.0180	-.0153	.0083	-.0917
1.197	15.391	.0255	.0102	.0115	.0180	-.0153	.0083	-.0917
1.191	GRADIENT	-.00292	-.0000	.0000	-.0000	.00292	.0000	.0000

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(D2F057) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = -11.700
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 306/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.296	-5.118	.01700	.02040	.02300	.01980	.00340	-.00320	.05190
1.300	-.074	.01700	.02040	.02300	.01980	.00340	-.00320	.06230
1.296	2.498	.00850	.01020	.02300	.01980	.00170	-.00320	.06230
1.294	5.076	.01700	.01020	.02300	.01980	-.00680	-.00320	.07270
1.295	6.134	.01700	.01020	.02300	.01980	-.00680	-.00320	.07270
1.294	7.113	.01700	.01020	.02300	.01980	-.00680	-.00320	.07270
1.295	8.165	.01700	.01020	.02300	.01980	-.00680	-.00320	.07270
1.294	9.179	.01700	.01020	.02300	.01980	-.00680	-.00320	.07270
1.294	10.237	.00850	.01020	.02300	.01980	.00170	-.00320	.07270
1.294	11.266	.01700	.01020	.02300	.01980	-.00680	-.00320	.07270
1.294	12.303	.01700	.01020	.02300	.01980	-.00680	-.00320	.07270
1.292	13.351	.01700	.01020	.02300	.02970	-.00680	-.00480	.05190
1.290	15.414	.01700	.01020	.02300	.02970	-.00680	-.00670	.05190
	GRADIENT	-.00330	-.00397	-.00000	-.00000	-.00066	.00000	.00000

RUN NO. 301/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.401	-5.082	.00850	.03060	.01150	.01980	.02210	.00830	.00000
1.403	-.042	.00000	.02040	.01150	.01980	.02040	.00830	.00000
1.400	2.597	.00000	.02040	.01150	.01980	.02040	.00830	.00000
1.400	5.039	.00000	.02040	.01150	.01980	.02040	.00830	.00000
1.402	6.052	.00000	.01020	.01150	.01980	.01020	.00830	.00000
1.402	7.074	.00000	.01020	.01150	.01980	.01020	.00830	.00000
1.401	8.104	.00000	.01020	.01150	.00990	.01020	.00830	.00000
1.400	9.123	.00000	.00000	.01150	.00990	.00000	-.00160	.00000
1.400	10.165	.00000	.00000	.01150	.01980	.00000	-.00160	.00000
1.399	11.191	.00000	.01020	.01150	.01980	.01020	.00830	.00000
1.399	12.230	.00000	.01020	.01150	.01980	.01020	.00830	.00000
1.398	13.268	.00000	.00000	.01150	.01980	.00000	.00830	.00000
1.393	15.334	.00000	.00000	.01150	.00990	.00000	-.00160	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	-.00000	.00000

AMES 118-1-11 0A145A 01

PARAMETRIC DATA

BETA	=	.000	ELEVON	=	.000
AILRON	=	.000	BOFLAP	=	16.300
SPDBRK	=	25.000	RUDDER	=	.000
RN/L	=	5.000			

-5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.598	-5.019	.01700	.02040	.02300	.02970	.00340	.00670	-.07130
.598	-.051	.01700	.02040	.02300	.01980	.00340	-.00320	-.05100
.597	2.496	.01700	.02040	.02300	.01980	.00340	-.00320	-.05100
.596	5.000	.01700	.02040	.01150	.01980	.00340	.00830	-.04080
.598	6.008	.01700	.02040	.00000	.01980	.00340	.01980	-.04080
.597	7.047	.01700	.01020	.00000	.01980	-.00680	.01980	-.04080
.597	8.082	.01700	.01020	.00000	.01980	-.00680	.01980	-.03060
.597	9.085	.01700	.02040	.00000	.01980	.00340	.01980	-.05100
.597	10.121	.01700	.02040	.00000	.01980	.00340	.01980	-.05100
.598	11.160	.01700	.01020	.00000	.01980	-.00680	.01980	-.06110
.597	12.208	.00950	.01020	.00000	.00990	.00170	.00990	-.05100
.597	13.160	.02550	.01020	.00000	.00990	-.01530	.00990	-.05100
.596	15.194	.02550	.01020	.00000	.01980	-.01530	.01980	-.04080
GRADIENT		-.00000	.00000	.00000	.00000	.00000	.00000	.00000

-5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-L1	ELV-RO	ELV-R1	DELL	DELR	DRHL
.799	-5.054	.00000	.02040	.01150	.01980	.02040	.00830	-.03060
.800	-.044	.00000	.02040	.01150	.01980	.02040	.00830	-.02040
.797	2.462	.00000	.02040	.01150	.01980	.02040	.00830	-.03060
.797	4.978	.00000	.02040	.01150	.01980	.02040	.00830	-.02040
.798	6.012	.00000	.02040	.01150	.01980	.02040	.00830	-.02040
.799	7.029	.00000	.02040	.01150	.01980	.02040	.00830	-.03060
.799	8.082	.00000	.02040	.01150	.01980	.02040	.00830	-.03060
.799	9.116	.00000	.02040	.01150	.01980	.02040	.00830	-.04080
.798	10.118	.00850	.02040	.01150	.01980	.01190	.00830	-.05100
.800	11.150	.00000	.01020	.01150	.01980	.01020	.00830	-.03060
.799	12.185	.00000	.00000	.02300	.01980	.00000	.00320	-.03060
.796	13.204	.00000	.02040	.01150	.01980	.02040	.00830	-.04080
.797	15.250	.00000	.01020	.01150	.01980	.01020	.00830	-.03060
GRADIENT	.00000	.00000	.00000	-.00000	-.00000	.00000	.00000	.00000

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0A145 TABULATED FORCE DATA

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(02F058) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BOFLAP = 16.300
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 289/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.901	-5.072	.00000	.01020	.02300	.01980	.01020	-.00320	.08310
.901	-.099	.00000	.02040	.02300	.02970	.02040	.00670	-.01020
.899	2.472	.00000	.02040	.02300	.02970	.02040	.00670	-.04080
.897	5.009	.00000	.02040	.03450	.02970	.02040	-.00480	-.05100
.899	6.039	.00000	.02040	.02300	.01980	.02040	-.00320	-.05100
.899	7.084	.00000	.02040	.02300	.01980	.02040	-.00320	-.06110
.900	8.095	.00000	.02040	.02300	.01980	.02040	-.00320	-.05100
.896	9.111	.00000	.02040	.02300	.01980	.02040	-.00320	-.06110
.898	10.162	.00850	.02040	.02300	.01980	.01190	-.00320	-.04080
.900	11.171	.00000	.02040	.02300	.01980	.02040	-.00320	-.02040
.898	12.173	.00000	.02040	.02300	.00990	.02040	-.01310	-.01020
.898	13.216	.00000	.02040	.02300	.01980	.02040	-.00320	.02080
.899	15.298	.00000	.01020	.02300	.01980	.01020	-.00320	.04150
	GRADIENT	.00000	.00000	-.00000	.00000	.00000	.00000	-.01190

RUN NO. 284/ 0 RN/L = 4.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.947	-5.067	.00000	.02040	.01150	.01980	.02040	.00830	.08310
.950	-.049	.00000	.02040	.01150	.02970	.02040	.01820	.10360
.954	2.490	.00000	.03060	.01150	.02970	.03060	.01820	.04150
.953	5.028	.00000	.03060	.01150	.02970	.03060	.01820	.00000
.949	6.048	.01700	.03060	.01150	.01980	.01360	.00830	.00000
.950	7.068	.01700	.03060	.01150	.02970	.01360	.01820	.00000
.948	8.068	.00850	.02040	.01150	.02970	.01190	.01820	.00000
.947	9.129	.00850	.03060	.00000	.02970	.02210	.02970	.02080
.947	10.186	.00850	.03060	.01150	.01980	.02210	.00830	.10360
.947	11.167	.00850	.02040	.01150	.01980	.01190	.00830	.16610
.949	12.201	.00000	.01020	.01150	.02970	.01020	.01820	.12460
.949	13.233	.00000	.02040	.01150	.01980	.02040	.00830	.08310
.951	15.300	.00000	.02040	.01150	.01980	.02040	.00830	.06230
	GRADIENT	.00000	.00402	-.00000	-.00000	.00402	.00000	-.02454

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OAI45 TABULATED FORCE DATA

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(D2F058) (15 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = 16.300
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 316/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.103	-5.098	.02550	.02040	.01150	.01980	-.00510	.00830	-.08150
1.107	-.091	.02550	.02040	.01150	.01980	-.00510	.00830	-.08150
1.096	2.766	.02550	.02040	.01150	.01980	-.00510	.00830	-.09170
1.095	5.030	.02550	.02040	.01150	.01980	-.00510	.00830	-.08150
1.099	6.091	.02550	.02040	.01150	.01980	-.00510	.00830	-.08150
1.098	7.179	.02550	.02040	.01150	.01980	-.00510	.00830	-.09170
1.097	8.147	.01700	.02040	.01150	.01980	.00340	.00830	-.09170
1.097	9.172	.02550	.01020	.01150	.01980	-.01530	.00830	-.10190
1.093	10.209	.02550	.02040	.01150	.01980	-.00510	.00830	-.10190
1.098	11.262	.01700	.01020	.01150	.01980	-.00680	.00830	-.10190
1.098	12.315	.02550	.01020	.01150	.01980	-.01530	.00830	-.10190
1.096	13.381	.02550	.01020	.01150	.01980	-.01530	.00830	-.11210
1.092	15.350	.02550	.01020	.00000	.01980	-.01530	.01980	-.11210
	GRADIENT	.00000	-.00000	-.00000	.00000	.00000	.00000	-.00357

RUN NO. 313/ 0 RN/L = 5.16 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.201	-5.068	.02550	.01020	.01150	.01980	-.01530	.00830	-.04080
1.203	-.038	.02550	.01020	.01150	.01980	-.01530	.00830	-.04080
1.200	2.513	.02550	.01020	.01150	.01980	-.01530	.00830	-.04080
1.198	5.052	.02550	.01020	.01150	.01980	-.01530	.00830	-.04080
1.197	6.059	.01700	.01020	.01150	.01980	-.00680	.00830	-.05100
1.197	7.102	.02550	.01020	.00000	.01980	-.01530	.01980	-.06110
1.198	8.130	.02550	.01020	.01150	.01980	-.01530	.00830	-.09170
1.195	9.159	.02550	.01020	.00000	.01980	-.01530	.01980	-.07130
1.197	10.250	.02550	.01020	.00000	.01980	-.01530	.01980	-.09170
1.199	11.322	.02550	.01020	.03000	.01980	-.01530	.01980	-.08150
1.194	12.440	.02550	.01020	.00000	.01980	-.01530	.01980	-.07130
1.197	13.320	.02550	.01020	.00000	.01980	-.01530	.01980	-.07130
1.192	15.345	.02550	.01020	.00000	.01980	-.01530	.01980	-.08150
	GRADIENT	.00000	-.00000	-.00000	.00000	.00000	.00000	.00000

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OAI45 TABULATED FORCE DATA

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(02F058) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = 16.300
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 307/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.299	-5.093	.01700	.02040	.03450	.02970	.00340	-.00480	.05190
1.299	-.042	.00000	.01020	.03450	.01980	.01020	-.01470	.05190
1.295	2.532	.00000	.01020	.02300	.02970	.01020	.00670	.06230
1.293	5.066	.00850	.01020	.02300	.01980	.00170	-.00320	.06230
1.294	6.082	.00850	.01020	.03450	.01980	.00170	-.01470	.07270
1.294	7.142	.00850	.01020	.03450	.01980	.00170	-.01470	.07270
1.294	8.128	.00850	.01020	.02300	.02970	.00170	-.00320	.07270
1.294	9.137	.00850	.01020	.03450	.02970	.00170	-.00480	.07270
1.294	10.240	.00000	.01020	.02300	.02970	.01020	.00670	.06230
1.293	11.234	.00000	.01020	.03450	.01980	.01020	-.01470	.06230
1.293	12.279	.00000	.01020	.03450	.02970	.01020	-.00480	.07270
1.292	13.354	.00000	.01020	.03450	.02970	.01020	-.00480	.06230
1.288	15.409	.00850	.01020	.03450	.02970	.00170	-.00480	.06230
	GRADIENT	.00000	.00000	-.00447	.00385	.00000	.00831	.00404

RUN NO. 302/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.402	-5.071	.00850	.03060	.01150	.00990	.02210	-.00160	-.06110
1.403	-.039	.04040	.02040	.01150	.01980	.06080	.00830	.10380
1.400	2.490	.00850	.02040	.01150	.00990	.01190	-.00160	.04150
1.398	5.030	.01700	.02040	.01150	.00990	.00340	-.00160	.04150
1.400	6.066	.01700	.01020	.01150	.00990	-.00680	-.00160	.04150
1.399	7.067	.01700	.02040	.01150	.00990	.00340	-.00160	.05190
1.399	8.113	.00850	.01020	.01150	.00990	.00170	-.00160	.05190
1.399	9.153	.00850	.01020	.01150	.00990	.00170	-.00160	.05190
1.397	10.176	.00850	.02040	.01150	.00990	.00170	-.00160	.04150
1.397	11.212	.00850	.01020	.01150	.00990	.00170	-.00160	.04150
1.396	12.266	.00850	.01020	.01150	.00990	.00170	-.00160	.04150
1.392	13.306	.00850	.00000	.01150	.00990	-.00850	.00830	.02080
1.387	15.338	.00850	.00000	.01150	.00990	-.00850	-.00160	.00000
	GRADIENT	.01934	.00000	.00000	-.00391	-.01934	-.00391	-.02463

(02F059) (16 JUL 77)

AMES 118-1-11 0A145A 01

REFERENCE DATA

PARAMETRIC DATA

SREF	=	2690.0000	SO. FT.	XMRP	=	1076.6800	IN. X0	BETA	=	.000	ELEVON	=	.000
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. Y0	AILRON	=	.000	BOFLAP	=	22.500
BRCF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. Z0	SPOBRK	=	25.000	RUDDER	=	.000
SCALE	=	.0500						RN/L	=	5.000			

POINT NO	300/ 0	EN/1 =	4.93	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

3037	0	BN/I	=	4	94	GRADIENT INTERVAL =	-5.00/	5.00
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MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.799	-5.060	.0000	.0120	.0150	.0180	.0120	.00830	-.03060
.801	-.065	.0000	.0120	.0150	.0180	.0120	.00830	-.06110
.799	2.448	.0000	.0120	.0150	.0180	.0120	.00830	-.06110
.796	4.974	.0000	.0120	.0150	.0180	.0120	.00830	-.05100
.798	6.014	.0000	.0120	.0150	.0180	.0120	.00830	-.06110
.800	7.023	.00850	.0120	.0150	.0180	.00170	.00830	-.06110
.799	8.078	.0000	.0120	.0150	.0180	.0120	.00830	-.05100
.800	9.113	.0000	.0120	.0150	.0180	.0120	.00830	-.04080
.797	10.111	.0000	.0120	.0150	.0180	.0170	.00830	-.04080
.799	11.158	.00850	.0120	.0150	.0180	.0120	.00830	-.05100
.797	12.158	.0000	.0120	.0150	.0180	.0120	.00830	-.05100
.798	13.200	.0000	.0000	.0150	.0180	.0000	.00830	-.04080
.800	15.245	.00850	.0120	.0150	.0090	.0170	.00160	-.00201
	GRADIENT	.00000	-.00000	-.00000	-.00000	-.00000	.00000	

(D2F059) (16 JUL 77)

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN. X0	BETA	=	.000	ELEVON	=	.000
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. Y0	AILRON	=	.000	BDFLAP	=	22.500
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. Z0	SPOBRK	=	25.000	RUDDER	=	.000
SCALE	=	.0500						RN/L	=	5.000			

PARAMETRIC DATA

BETA	=	.000	ELEVON	=	.000
AILRON	=	.000	BDFLAP	=	22.500
SPOBRK	=	25.000	RUDDER	=	.000
RN/L	=	5.000			

290/ 0	RN/L = 4.95	GRADIENT INTERVAL = -5.00/	5.00
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MACH	ALPHA	ELV-L0	ELV-L1	ELV-R0	ELV-R1	DELL	DELR	DRHL
.901	-5.069	.00000	.02040	.02300	.01980	.02040	-.00320	-.03060
.900	-.082	.00000	.02040	.02300	.01980	.02040	-.00320	-.03060
.898	2.489	.00000	.02040	.02300	.00980	.02040	-.01310	-.06110
.901	5.002	.00000	.02040	.02300	.01980	.02040	-.00320	-.06110
.897	6.008	.00000	.02040	.02300	.01980	.02040	-.00320	-.05100
.900	7.057	.00000	.02040	.02300	.01980	.02040	-.00320	-.06110
.898	8.069	.00000	.02040	.02300	.02970	.02040	-.00670	-.06110
.898	9.138	.00000	.02040	.02300	.01980	.02040	-.00320	-.06110
.897	10.130	.00000	.01020	.01150	.01980	.01020	-.00630	-.04080
.896	11.160	.00000	.01020	.02300	.01980	.01020	-.00320	-.03060
.899	12.185	.00000	.01020	.02300	.01980	.01020	-.00320	-.02040
.897	13.204	.00000	.01020	.03450	.01980	.01020	-.01470	-.05100
.901	15.284	.00000	.01020	.02300	.01980	.01020	-.00320	.00000
CAUTION		.00000	.00000	.00000	-.00385	.00000	-.00385	-.01186

RAIN NO	285/ 0	RN/L =	4.94	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

(02F059) (16 JUL 77)

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = 22.500
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 317/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.103	-5.140	.02550	.02040	.01150	.01980	-.00510	.00830	-.10190
1.107	-.050	.02550	.02040	.01150	.01980	-.00510	.00830	-.10190
1.095	2.518	.02550	.02040	.01150	.01980	-.00510	.00830	-.10190
1.094	5.049	.02550	.02040	.01150	.01980	-.00510	.00830	-.10190
1.098	6.069	.01700	.02040	.01150	.01980	-.00340	.00830	-.09170
1.098	7.146	.02550	.02040	.01150	.01980	-.00510	.00830	-.10190
1.097	8.122	.01700	.02040	.01150	.01980	-.00340	.00830	-.10190
1.097	9.137	.02550	.01020	.01150	.01980	-.01530	.00830	-.11210
1.035	10.242	.02550	.01020	.01150	.01980	-.01530	.00830	-.11210
1.096	11.215	.01700	.01020	.00000	.01980	-.00680	.01980	-.12230
1.097	12.258	.02550	.01020	.01150	.01980	-.01530	.00330	-.12230
1.098	13.284	.02550	.01020	.00000	.01980	-.01530	.01980	-.12230
1.098	15.358	.00850	.01020	.01150	.01980	-.00170	.00830	-.12230
1.092	GRADIENT	.00000	.00000	.00000	.00000	-.00000	.00000	.00000

RUN NO. 311/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.202	-5.109	.02550	.02040	.03450	.00990	-.00510	-.02460	.09340
1.207	-.018	.00850	.01020	.03450	.01980	.00170	-.01470	.09340
1.199	2.494	.00850	.01020	.03450	.01980	.00170	-.01470	.09340
1.195	5.038	.00850	.01020	.02300	.01980	.00170	-.00320	.09340
1.197	6.068	.00850	.01020	.03450	.01980	.00170	-.01470	.10380
1.201	7.101	.00850	.01020	.02300	.01980	.00170	-.00320	.10380
1.199	8.155	.01700	.01020	.03450	.01980	-.00680	-.01470	.10380
1.197	9.187	.01700	.01020	.03450	.01980	-.00680	-.01470	.10380
1.198	10.198	.01700	.01020	.03450	.01980	-.00680	-.01470	.10380
1.200	11.226	.01700	.01020	.03450	.01980	-.00680	-.01470	.10380
1.197	12.301	.01700	.01020	.03450	.01980	-.00680	-.01470	.10380
1.196	13.302	.00850	.01020	.02300	.01980	.00170	-.00320	.09340
1.194	15.433	.01700	.00000	.02300	.01980	-.01700	-.00320	.10380
1.194	GRADIENT	.00000	.00000	.00000	-.00000	.00000	.00000	-.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = 22.500
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 308/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.298	-5.083	.00850	.02040	.03450	.02970	.01190	-.00480	.05190
1.305	-.037	-.02020	.01020	.03450	.02970	.03040	-.00480	.05190
1.297	2.522	.00000	.01020	.03450	.02970	.01020	-.00480	.06230
1.293	5.089	.00000	.01020	.03450	.02970	.01020	-.00480	.05190
1.294	6.101	.00000	.01020	.03450	.02970	.01020	-.00480	.06230
1.294	7.159	.00000	.01020	.03450	.02970	.01020	-.00480	.06230
1.295	8.166	.00000	.01020	.03450	.01980	.01020	-.01470	.06230
1.294	9.186	.00000	.01020	.03450	.02970	.01020	-.00480	.06230
1.294	10.218	.00000	.01020	.03450	.02970	.01020	-.00480	.06230
1.293	11.275	.00000	.01020	.04590	.01980	.01020	-.02610	.06230
1.293	12.316	.00000	.01020	.04590	.02970	.01020	-.01620	.05190
1.293	13.324	.00000	.01020	.03450	.02970	.01020	-.00480	.05190
1.291	15.371	.00000	.01020	.04590	.02970	.01020	-.01620	.05190
	GRADIENT	.00790	.00000	.00000	.00000	-.00790	.00000	.00407

RUN NO. 303/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.404	-5.086	.01700	.02040	.01150	.00990	.00340	-.00160	.00000
1.409	-.045	.00850	.01020	.01150	.00990	.00170	-.00160	.00000
1.405	2.526	.00850	.01020	.01150	.00990	.00170	-.00160	.00000
1.400	5.035	.00850	.01020	.01150	.00990	.00170	-.00160	.00000
1.400	6.054	.00850	.01020	.01150	.00990	.00170	-.00160	.00000
1.400	7.076	.00850	.00000	.01150	.00990	-.00850	-.00160	.00000
1.400	8.114	.00850	.00000	.01150	.00990	-.00850	-.00160	.00000
1.399	9.154	.00000	.00000	.01150	.00990	.00000	-.00160	.00000
1.398	10.154	.00000	.00000	.01150	.00990	.00000	-.00160	.00000
1.397	11.202	.00850	.00000	.01150	.00990	-.00850	-.00160	.00000
1.393	12.303	.00850	.00000	.01150	.00990	-.00850	-.00160	.00000
1.392	13.296	.00850	.00000	.01150	.00990	-.00850	-.00160	.00000
1.386	15.336	.00000	.00000	.01150	.00990	.00000	-.00160	.00000
	GRADIENT	.00000	-.00000	-.00000	.00000	.00000	.00000	.00000

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REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AIRLON = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 296/ 0 RN/L = 4.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BOFLAP	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.598	-11.642	.01700	.01020	.00000	.01980	-.00680	.01980	.20770
.599	-7.950	.01700	.01020	.00000	.01980	-.00680	.01980	-.02040
.599	-5.940	.01700	.01020	.00000	.01980	-.00680	.00830	-.01020
.599	-3.931	.01700	.01020	.00000	.01980	-.00680	.01980	-.01020
.599	-1.950	.01700	.01020	.00000	.01980	-.00680	.01980	-.01020
.599	.020	.01700	.01020	.00000	.01980	-.00680	.01980	-.02040
.599	1.990	.01700	.01020	.00000	.01980	-.00680	.01980	-.01020
.599	4.020	.01700	.01020	.00000	.01980	-.00680	.01980	-.02040
.599	5.980	.01700	.00000	.00000	.01980	-.01700	.01980	-.03060
.599	7.970	.01700	.00000	.00000	.01980	-.01700	.01980	-.02040
.598	12.030	.01700	.00000	.00000	.01980	-.01700	.01980	.00000
.598	16.311	.01700	.00000	.00000	.01980	-.01700	.01980	-.02040
.598	22.505	.01700	.00000	.00000	.01980	-.01700	.01980	-.02040
.598	GRADIENT	-.00000	.00000	.00000	.00000	.00000	.00000	-.00103

RUN NO. 294/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BOFLAP	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.800	-11.662	.00000	.02040	.01150	.01980	.02040	.00830	-.04080
.800	-7.950	.00000	.02040	.01150	.01980	.02040	.00830	-.04080
.800	-5.930	.00000	.02040	.01150	.01980	.02040	.00830	-.03060
.800	-3.940	.00000	.02040	.01150	.01980	.02040	.00830	-.04080
.799	-1.970	.00000	.02040	.01150	.02970	.02040	.01820	-.03060
.800	.010	.00000	.02040	.01150	.01980	.02040	.00830	-.04080
.799	1.990	.00000	.02040	.01150	.00990	.02040	-.00160	-.03060
.800	4.000	.00000	.02040	.01150	.00990	.02040	-.00160	-.02040
.800	6.010	.00000	.02040	.01150	.01980	.02040	.00830	-.01020
.800	7.960	.00000	.02040	.01150	.01980	.02040	.00830	-.02040
.799	12.019	.00000	.02040	.01150	.01980	.02040	.00830	-.01020
.800	16.301	.00000	.02040	.01150	.01980	.02040	.00830	-.01020
.799	22.525	.00000	.02040	.01150	.01980	.02040	.00830	-.02040
.799	GRADIENT	.00000	.00000	.00000	-.00200	.00000	-.00200	.00206

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0A145 TABULATED FORCE DATA

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REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 SPDRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 287/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BOFLAP	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.900	-11.652	.0000	.0204	.0345	.0198	.0204	-.0147	.0000
.901	-7.940	.0000	.0204	.0345	.0198	.0204	-.0147	.0000
.900	-5.940	.0000	.0204	.0345	.0198	.0204	-.0147	.0000
.901	-3.940	.0000	.0204	.0345	.0198	.0204	-.0147	.0104
.900	-1.960	.0000	.0102	.0345	.0198	.0102	-.0147	.0000
.901	.020	.0000	.0102	.0345	.0198	.0102	-.0147	.0000
.900	1.990	.0000	.0102	.0345	.0198	.0102	-.0147	.0208
.900	4.000	.0000	.0204	.0345	.0198	.0204	-.0147	.0104
.901	6.000	.0000	.0204	.0345	.0198	.0204	-.0147	.0104
.900	7.970	.0000	.0204	.0345	.0198	.0204	-.0147	.0104
.900	12.030	.0000	.0204	.0345	.0198	.0204	-.0147	.0000
.899	16.311	.0000	.0102	.0345	.0198	.0102	-.0147	.0000
.901	22.505	.0000	.0204	.0345	.0198	.0204	-.0147	.0000
	GRADIENT	.0000	.0000	.0000	.0000	.0000	-.0000	.00105

RUN NO. 286/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BOFLAP	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.951	-11.662	.0170	.0204	.0345	.0198	.0034	-.0147	-.05100
.952	-7.940	.0170	.0204	.0345	.0198	.0034	-.0147	-.07130
.953	-5.930	.0170	.0204	.0345	.0198	.0034	-.0147	-.07130
.950	-3.950	.0170	.0204	.0345	.0198	.0034	-.0147	-.06110
.951	-1.970	.0170	.0204	.0345	.0198	.0034	-.0147	-.07130
.951	.030	.0170	.0204	.0345	.0198	.0034	-.0147	-.06110
.950	1.980	.0170	.0204	.0459	.0198	.0034	-.0261	.21800
.951	4.000	.0170	.0204	.0459	.0198	.0034	-.0261	.24920
.951	5.990	.0170	.0204	.0459	.0099	.0034	-.0360	.03110
.950	7.960	.0170	.0204	.0459	.0099	.0034	-.0360	.03110
.949	12.030	.0170	.0204	.0459	.0198	.0034	-.0261	.02080
.950	16.321	.0170	.0102	.0459	.0198	-.0068	-.0261	.02080
.950	22.505	.0170	.0204	.0459	.0198	.0034	-.0261	.03110
	GRADIENT	.0000	.0000	.00172	.0000	-.0000	-.00172	.04577

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0A145 TABULATED FORCE DATA

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REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN.	XO	=	ALPHA	=	3.0000	BETA	=	.0000
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN.	YO	=	ELEVON	=	.0000	AILRON	=	.0000
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN.	ZO	=	SPOBRK	=	25.0000	RUDDER	=	.0000
SCALE	=	.0500								RN/L	=	5.0000			

PARAMETRIC DATA

MACH	BDFLAP	ELV-LO	ELV-LI	ELV-RO	ELV-Rl	DELL	DEL R	DRHL
-1.101	-11.662	.02550	.02040	.01150	.01980	-.00510	.00830	-.09170
-1.101	-7.950	.02550	.02040	.01150	.01980	-.00510	.00830	-.09170
-1.102	-5.920	.02550	.02040	.01150	.01980	-.00510	.00830	-.09170
-1.101	-3.931	.02550	.02040	.01150	.01980	-.00510	.00830	-.09170
-1.102	-1.950	.02550	.02040	.01150	.01980	-.00510	.00830	-.09170
-1.100	.010	.02550	.02040	.01150	.01980	-.00510	.00830	-.09170
-1.100	1.990	.02550	.02040	.01150	.01980	-.00510	.00830	-.09170
-1.100	3.990	.02550	.02040	.01150	.01980	-.00510	.00830	-.09170
-1.100	6.020	.02550	.02040	.01150	.01980	-.00510	.00830	-.09170
-1.100	7.960	.02550	.02040	.01150	.01980	-.00510	.00830	-.09170
-1.099	12.040	.02550	.02040	.01150	.01980	-.00510	.00830	-.09170
-1.101	16.321	.02550	.02040	.01150	.01980	-.00510	.00830	-.09170
-1.101	22.394	.02550	.01020	.01150	.01980	-.01530	.00830	-.09170
-1.098	CRITICAL	.00000	.00000	-.00000	.00000	-.00000	.00000	.00000

MACH	RUN NO.	310/ 0	RN/L	5.05	GRADIENT	INTERVAL	-5.00/	5.00	DELR	DEHL
		BOFLAP	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR		
1.202	-11.662		.01700	.01020	.04590	.01980	-.00680	-.02610		.08310
1.201	-7.950		.01700	.01020	.03450	.01980	-.00680	-.01470		.08310
1.202	-5.940		.01700	.01020	.03450	.01980	-.00680	-.01470		.08310
1.201	-3.950		.01700	.01020	.03450	.01980	-.00680	-.01470		.09340
1.201	-1.950		.01700	.01020	.03450	.01980	-.00680	-.01470		.09340
1.199	.010		.01700	.01020	.03450	.01980	-.00680	-.01470		.09340
1.201	1.930		.00650	.02040	.03450	.01980	.01190	-.01470		.09340
1.201	4.010		.00850	.02040	.03450	.01980	.01190	-.01470		.09340
1.201	6.020		.00850	.02040	.03450	.01980	.01190	-.01470		.09340
1.202	7.980		.00850	.01020	.02300	.01980	-.00680	-.00320		.09340
1.199	12.030		.01700	.02040	.03450	.01980	-.00680	-.01470		.09340
1.199	16.321		.01700	.02040	.03450	.01980	-.00680	-.01470		.09340
1.201	22.374		.01700	.01020	.03450	.01980	-.00680	-.01470		.09340
1.200	GRADIENT		-.00128	.00154	-.00000	.00000	.00282	-.00000		.00000

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OAI45 TABULATED FORCE DATA

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REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 BETA = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELEVON = .000 AILRON = .000
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPD8RK = 25.000 RUDDER = .000
SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 309/ 0		RN/L = 4.99		GRADIENT INTERVAL = -5.00/ 5.00	
MACH	BD/FLAP	ELV-LO	ELV-LI	ELV-RO	ELV-RI
1.298	-11.652	.00000	.01020	.04590	.02970
1.298	-7.960	.00000	.01020	.08040	.02970
1.297	-5.920	.00000	.01020	.08040	.02970
1.297	-3.940	.00000	.01020	.08040	.02970
1.297	-1.940	.00000	.01020	.08040	.02970
1.297	.010	.00000	.01020	.06890	.02970
1.298	1.990	.00000	.01020	.06890	.02970
1.297	4.010	.00000	.01020	.06890	.02970
1.297	5.980	.00000	.01020	.04590	.02970
1.298	7.970	.00000	.01020	.04590	.02970
1.297	12.030	.00000	.01020	.04590	.02970
1.293	16.311	.00000	.01020	.04590	.02970
1.297	22.364	-.01010	.01020	.04590	.02970
	GRADIENT	.00000	.00000	-.00173	.00000

RUN NO. 304/ 0		RN/L = 4.97		GRADIENT INTERVAL = -5.00/ 5.00	
MACH	BD/FLAP	ELV-LO	ELV-LI	ELV-RO	ELV-RI
1.405	-11.672	.00850	.01020	.01150	.01980
1.404	-7.940	.00850	.01020	.01150	.01980
1.404	-5.940	.00850	.01020	.01150	.01980
1.404	-3.921	.00850	.01020	.01150	.00990
1.403	-1.950	.00850	.01020	.01150	.00990
1.404	.020	.00850	.01020	.01150	.00990
1.404	1.990	.00850	.01020	.01150	.00990
1.403	4.000	.00850	.01020	.01150	.00990
1.403	5.990	.00850	.01020	.01150	.00990
1.404	7.950	.00850	.00000	.01150	.00990
1.403	12.040	.00000	.00000	.01150	.00990
1.403	16.311	.00000	.00000	.01150	.01980
1.403	22.313	.00000	.00000	.01150	.00990
	GRADIENT	.00000	.00000	-.00000	.00000

PARAMETRIC DATA	
ALPHA	BETA
5.000	.000
ELEVON	AILRON
25.000	RUDDER
RN/L	5.000

PARAMETRIC DATA	
DRHL	DEL
.06230	-.01620
.06230	-.05070
.06230	-.05070
.07270	-.05070
.06230	-.05070
.06230	-.03920
.07270	-.03920
.07270	-.03920
.07270	-.01620
.07270	-.01620
.07270	-.01620
.07270	-.01620
.07270	-.01620
.00052	.00173

PARAMETRIC DATA	
DRHL	DEL
.00000	.00830
.00000	.00830
-.01020	.00830
-.01020	-.00160
.00000	-.00160
-.01020	-.00160
-.01020	-.00160
.00000	-.00160
.00000	-.00160
-.01020	-.00160
-.01020	-.00160
.00000	-.00160
.00052	-.00000

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(02F061) (16 JUL 77)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN. ZO
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. YO
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. ZO
SCALE	=	.0500					

PARAMETRIC DATA

ALPHA	=	.000	BETA	=	.000
ELEVON	=	.000	AILRON	=	.000
BDFLAP	=	.000	SPDRBK	=	25.000
RN/L	=	5.000			

MACH	RUN NO.	329/ 0	RN/L	4.96	GRADIENT	INTERVAL	-5.00/	5.00	DELL	DELIR	DRHL
	RUDDER	ELV-L0	ELV-L1	ELV-R0	ELV-R1						
.598	-15.355	.00000	.02040	.02300	.01980		.02040	-.00320	-.00320	-18.49800	
.598	-10.291	.00000	.02040	.02300	.01980		.02040	-.00320	-.00320	-12.47300	
.598	-5.093	.00000	.02040	.02300	.01980		.02040	-.00320	-.00320	-6.19660	
.598	-2.513	.00000	.02040	.02300	.01980		.02040	-.00320	-.00320	-3.06060	
.598	-.033	.00000	.02040	.02300	.01980		.02040	-.00320	-.00320	-.04080	
.598	2.541	.00000	.02040	.02300	.01980		.02040	-.00320	-.00320	3.09420	
.598	4.864	.00000	.02040	.02300	.01980		.02040	-.00320	-.00320	5.91920	
.598	9.576	.00000	.02040	.02300	.01980		.02040	-.00320	-.00320	11.61400	
.598	14.614	.00000	.02040	.02300	.01980		.02040	-.00320	-.00320	17.62300	
.598	18.253	.00850	.02040	.02300	.01980		.01190	-.00320	-.00320	21.89000	
.598	23.063	.00000	.02040	.02300	.01980		.02040	-.00320	-.00320	27.41700	
	GRADIENT	.00000	.00000	-.00000	-.00000		.00000	-.00000	-.00000	1.21732	

MACH	RUN NO.	344/ 0	RN/L =	5.00	GRADIENT	INTERVAL =	-5.00/	5.00	DELL	DELRL	DRHL
.800	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL					
.800	-15.338	.01700	.02040	.02300	.01980	.00340					-18.47800
.800	-10.307	.01700	.02040	.02300	.01980	.00340					-12.49200
.800	-5.076	.01700	.02040	.01150	.01980	.00340					-6.17610
.801	-2.513	.01700	.02040	.02300	.01980	.00340					-3.06060
.799	.000	.01700	.02040	.02300	.01980	.00340					.00000
.800	2.549	.01700	.02040	.02300	.01980	.00340					3.10440
.800	4.856	.01700	.02040	.02300	.01980	.00340					5.90910
.801	9.584	.01700	.02040	.02300	.01980	.00340					11.62500
.801	14.605	.00850	.02040	.02300	.01980	.01190					17.61200
.800	18.280	.00850	.02040	.02300	.01980	.01190					21.92200
.800	22.963	.00850	.02040	.02300	.01980	.01190					27.30400
.800	GRADIENT	-.00000	.00000	.00000	.00000	.00000					1.21732

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

ALPHA = .000
ELEVON = .000
BDFLAP = .000
RN/L = 5.000

PARAMETRIC DATA

BETA = .000
AILRON = .000
SPDBRK = 25.000

RUN NO. 390/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.900	-15.381	.00850	.01020	.03450	.00990	.00170	-.02460	-18.52800
.901	-10.331	.00850	.01020	.03450	.00000	.00170	-.03450	-12.52200
.899	-5.008	.00850	.00000	.03450	.00990	-.00850	-.02460	-6.09400
.901	-2.504	.00850	.00000	.03450	.00000	-.00850	-.03450	-3.04940
.900	.043	.00850	.00000	.03450	.00990	-.00850	-.02460	.05190
.900	2.566	.00850	.00000	.03450	.00990	-.00850	-.02460	3.12470
.900	4.831	.00850	.01020	.03450	.00990	.00170	-.02460	5.87900
.902	9.576	.00850	.01020	.03450	.00990	.00170	-.02460	11.61400
.900	14.605	.00850	.01020	.01150	.00990	.00170	-.00160	17.61200
.901	18.271	.00850	.01020	.01150	.00990	.00170	-.00160	21.91200
.902	22.762	.00850	.01020	.01150	.00990	.00170	-.00160	27.07500
	GRADIENT	.00000	.00122	.00000	.00123	.00122	.00123	1.21733

RUN NO. 413/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.951	-14.736	-.03030	.01020	.01150	.00000	.04050	-.01150	-17.76800
.951	-10.691	-.04040	.01020	.01150	.00000	.05060	-.01150	-12.95200
.950	-5.366	-.04040	.01020	.01150	.00000	.05060	-.01150	-6.52820
.951	-2.776	-.04040	.01020	.01150	.00000	.05060	-.01150	-3.38050
.952	-.966	-.04040	.01020	.01150	.00000	.05060	-.01150	-1.17720
.950	-.123	-.04040	.01020	.01150	.00000	.05060	-.01150	-.15000
.950	2.333	-.04040	.01020	.01150	.00000	.05060	-.01150	2.84100
.952	4.811	-.04040	.01020	.01150	.00000	.05060	-.01150	5.85430
.951	9.684	-.04040	.01020	.01150	.00000	.05060	-.01150	11.74400
.950	14.538	-.04040	.01020	.01150	.00000	.05060	-.01150	17.53400
.949	18.070	-.04040	.01020	.01150	.00000	.05060	-.01150	21.67800
.950	22.799	-.04040	.01020	.01150	.00000	.05060	-.01150	27.11700
	GRADIENT	-.00000	-.00000	-.00000	.00000	.00000	.00000	1.21735

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

AMES 118-1-11 0A145A 01(-TO+)

(D2F062) (16 JUL 77)

REFERENCE DATA

=	SREF	=	2690.0000	SQ.FT.	=	XMRP	=	1076.6800	IN.	XO
=	LREF	=	474.8100	INCHES	=	YMRP	=	.0000	IN.	YO
=	BREF	=	936.6800	INCHES	=	ZMRP	=	375.0000	IN.	ZO
=	SCALE	=	.0500							

PARAMETRIC DATA

ALPHA	=	5.000	BETA	=	.000
ELEVON	=	.000	AILRON	=	.000
BDFLAP	=	.000	SPDRBK	=	25.000
RN/L	=	5.000			

MACH	RUN NO.	323/ 0	RN/L	4.96	GRADIENT	INTERVAL	-5.00/	5.00	DELL	DELR	DRHL
		ELV-L0	ELV-L1	ELV-R0	ELV-R1	DELL	DELR	DRHL			
		.00850	.02040	.01150	.01980	.01190	.00830	-18.88000			
.597	-15.680	.00850	.02040	.01150	.01980	.01190	.00830	-12.448300			
.597	-10.299	.00850	.02040	.01150	.00990	.01190	.00160	-6.20690			
.597	-5.101	.00850	.02040	.01150	.01980	.01190	.00830	-5.02710			
.597	-4.130	.00850	.02040	.01150	.01980	.01190	.00830	-3.73330			
.597	-3.066	.00850	.02040	.01150	.01980	.01190	.00830	-2.39910			
.597	-1.970	.00850	.02040	.01150	.01980	.01190	.00830	-1.18220			
.597	-	.00850	.02040	.01150	.01980	.01190	.00830	.06230			
.597	.051	.00850	.02040	.01150	.01980	.01190	.00830	1.26670			
.597	1.040	.00850	.02040	.01150	.01980	.01190	.00830	2.52550			
.597	2.073	.00850	.02040	.01150	.01980	.01190	.00830	3.64270			
.597	2.991	.00850	.02040	.01150	.01980	.01190	.00830	4.78340			
.597	3.929	.00850	.02040	.01150	.01980	.01190	.00830	5.92920			
.597	4.873	.00850	.02040	.01150	.01980	.01190	.00830	11.63500			
.597	9.593	.00850	.02040	.01150	.01980	.01190	.00830	17.63400			
.597	14.623	.00850	.02040	.01150	.01980	.01190	.00830	21.91200			
.597	18.271	.00850	.02040	.01150	.01980	.01190	.00830	27.44800			
.597	23.091	.00850	.02040	.01150	.01980	.01190	.00830	1.21739			
.597	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000				

MACH	RUN NO.	345/ 0	RN/L =	4.99	GRADIENT	INTERVAL =	-5.00/	5.00	DELL	DELR	DRHL
	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI						
.800	-15.338	.00850	.02040	.02300	.01980		.01190		-.00320		-18.47800
.800	-10.307	.00850	.02040	.02300	.01980		.01190		-.00320		-12.49200
.800	-5.110	.00850	.02040	.02300	.01980		.01190		-.00320		-6.21710
.799	-2.531	.00850	.02040	.02300	.01980		.01190		-.00320		-3.08300
.800	.068	.00850	.02040	.02300	.01980		.01190		-.00320		.08310
.799	2.532	.00850	.02040	.02300	.01980		.01190		-.00320		3.08410
.799	4.897	.00850	.02040	.02300	.01980		.01190		-.00320		5.95940
.800	9.584	.00850	.02040	.02300	.01980		.01190		-.00320		11.62500
.800	14.623	.00850	.02040	.02300	.01980		.01190		-.00320		17.63400
.799	18.290	.00850	.02040	.02300	.01980		.01190		-.00320		21.93300
.800	22.963	.00850	.02040	.02300	.01980		.01190		-.00320		27.30400
	GRADIENT	.00000	.00000	.00000	.00000		.00000		-.00000		1.21730

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

PAGE 1409

AMES 118-1-11 OAI45A 01(-TO*)

(02F062) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPDRK = 25.000
 RN/L = 5.000

RUN NO. 350/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.902	-15.364	.01700	.02040	.00000	.01980	.00340	.01980	-18.50800
.900	-10.315	.02550	.02040	.00000	.01980	-.00510	.01980	-12.50200
.901	-5.101	.01700	.02040	.00000	.01980	.00340	.01980	-6.20690
.900	-4.079	.01700	.02040	.00000	.01980	.00340	.01980	-4.96550
.901	-3.066	.01700	.01020	.00000	.01980	-.00680	.01980	-3.73330
.901	-1.988	.02550	.01020	.00000	.01980	-.01530	.01980	-2.42150
.901	-.945	.01700	.01020	.00000	.01980	-.00680	.01980	-1.15160
.902	.128	.01700	.01020	.00000	.01980	-.00680	.01980	.15570
.901	1.057	.01700	.02040	.00000	.01980	.00340	.01980	1.28750
.901	2.073	.01700	.02040	.00000	.01980	.00340	.01980	2.52550
.902	2.983	.01700	.02040	.00000	.01980	.00340	.01980	3.63250
.902	3.929	.01700	.02040	.00000	.01980	.00340	.01980	4.78340
.901	4.848	.01700	.02040	.00000	.01980	.00340	.01980	5.89910
.901	9.584	.01700	.02040	.00000	.01980	.00340	.01980	11.62500
.900	14.614	.01700	.02040	.00000	.00990	.00340	.01980	17.62300
.902	18.271	.01700	.02040	.00000	.01980	.00340	.01980	21.91200
.901	22.855	.01700	.02040	.00000	.01980	.00340	.01980	27.18000
	GRADIENT	-.00026	.00098	.00000	.00000	.00124	.00000	1.21740

RUN NO. 414/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.950	-14.741	.00000	.01020	.01150	.00000	.01020	.01150	-17.77400
.951	-5.373	-.03030	.01020	.01150	.00000	.04050	.01150	-6.53730
.950	-2.727	-.05050	.01020	.01150	.00000	.05070	.01150	-3.32110
.951	-.103	-.01010	.00000	.02300	.00000	.01010	.02300	-.12540
.950	2.315	-.03030	.00000	.01150	.00000	.03030	.01150	2.82000
.950	4.968	-.03030	.00000	.02300	.00000	.03030	.01150	6.04510
.950	9.700	-.04040	.01020	.02300	.00000	.05060	.02300	11.76400
.949	14.530	-.07070	.01020	.02300	.00000	.08090	.02300	17.52300
.949	18.061	.00000	.01020	.01150	.00000	.01020	.01150	21.66800
.950	22.827	.00000	.01020	.02300	.00000	.01020	.02300	27.14900
	GRADIENT	.00163	-.00120	.00093	.00000	-.00283	-.00093	1.21727

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

PAGE 1410

AMES 118-1-11 0A145A 01(-TO+)

(02F062) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPOBRK = 25.000
RN/L = 5.000

RUN NO. 357/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.093	-15.389	.00850	.02040	.01150	.01980	.01190	.00830	-18.53800
1.102	-10.315	.00850	.01020	.01150	.00990	.00170	-.00160	-12.50200
1.102	-5.101	.00850	.01020	.00000	.00990	.00170	-.00990	-6.20690
1.100	-2.522	.00850	.01020	.01150	.00990	.00170	-.00160	-3.07180
1.100	.102	.00850	.00000	.00000	.00990	-.00850	.00990	.12460
1.100	2.532	.00850	.00000	.00000	.00990	-.00850	.00990	3.08410
1.100	4.848	.00850	.01020	.00000	.00990	.00170	.00990	5.89910
1.101	9.584	.00850	.01020	.00000	.00990	.00170	.00990	11.62500
1.100	14.596	.00850	.01020	.00000	.00990	.00170	.00990	17.60100
1.100	18.262	.00850	.01020	.00000	.00990	.00170	.00990	21.90100
1.100	22.670	.00850	.01020	.00000	.00990	.00170	.00990	26.97000
1.100	GRADIENT	.00000	-.00005	-.00144	.00000	-.00005	.00144	1.21731

RUN NO. 360/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.198	-15.389	.01700	.03060	.01150	.00990	.01360	-.00160	-18.53800
1.200	-10.331	.01700	.03060	.01150	.00990	.01360	-.00160	-12.52200
1.199	-5.076	.01700	.03060	.01150	.00990	.01360	-.00160	-6.17610
1.201	-4.104	.01700	.03060	.01150	.00990	.01360	-.00160	-4.99630
1.201	-3.057	.01700	.03060	.01150	.00990	.01360	-.00160	-3.72210
1.200	-1.979	.01700	.03060	.01150	.00000	.01360	-.00150	-2.41030
1.199	-.970	.01700	.03060	.01150	.00990	.01360	-.00160	-1.18220
1.199	.000	.01700	.03060	.01150	.00000	.01360	-.00150	.00000
1.200	1.031	.01700	.03060	.01150	.00990	.01360	-.00160	1.25630
1.200	2.057	.01700	.03060	.01150	.00990	.01360	-.00160	2.50520
1.200	3.000	.01700	.03060	.01150	.00990	.01360	-.00160	3.65280
1.200	3.937	.01700	.03060	.01150	.00990	.01360	-.00160	4.79340
1.199	4.856	.01700	.03060	.01150	.00990	.01360	-.00160	5.90910
1.201	9.584	.01700	.02040	.01150	.00990	.00340	-.00160	11.62500
1.201	14.614	.01700	.02040	.01150	.00990	.00340	-.00160	17.62300
1.200	18.253	.01700	.02040	.01150	.00990	.00340	-.00150	21.89000
1.200	22.642	.01700	.02040	.01150	.00990	.00340	-.00160	26.93800
1.199	GRADIENT	-.00000	.00000	.00000	.00035	.00000	.00035	1.21740

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

PAGE 1411

AMES 118-1-11 0A145A 01(-TO+)

(D2F062) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BOFLAP = .000 SPDBRK = 25.000
 RN/L = 5.000

MACH	RUN NO.	380/ 0	RN/L = 4.99	GRADIENT INTERVAL = -5.00/ 5.00
1.298	RUDDER	ELV-LO	ELV-LI	ELV-RO
1.298	-15.372	.00000	.01020	.01150
1.298	-10.299	.00000	.01020	.01150
1.297	-5.101	.00000	.01020	.01150
1.298	-2.476	.00000	.01020	.01150
1.298	-.033	.00850	.01020	.01150
1.297	2.532	.00850	.01020	.01150
1.297	4.856	.00850	.01020	.01150
1.297	9.584	.00850	.01020	.01150
1.296	14.614	.00850	.01020	.01150
1.297	18.308	.00850	.01020	.01150
1.297	22.623	.00850	.01020	.01150
1.297	GRADIENT	.00104	.00000	-.00000

DELL	ELV-RI	DEL R	DRHL
.01020	.01980	.00830	-18.51800
.01020	.01980	.00830	-12.48300
.01020	.01980	.00830	-6.20690
.01020	.01980	.00830	-3.01580
.01020	.01980	.00830	-.04080
.00170	.01980	.00830	3.08410
.00170	.01980	.00830	5.90910
.00170	.01980	.00830	11.62500
.00170	.01980	.00830	17.62300
.00170	.01980	.00830	21.95500
.00170	.01980	.00830	26.91700
-.00104	.00000	.00000	1.21733

MACH	RUN NO.	370/ 0	RN/L = 5.03	GRADIENT INTERVAL = -5.00/ 5.00
1.403	RUDDER	ELV-LO	ELV-LI	ELV-RO
1.403	-15.372	.00000	.00000	.01150
1.403	-10.299	.00000	.00000	.01150
1.403	-5.084	.00000	.00000	.01150
1.403	-2.531	.00000	.00000	.01150
1.403	.034	.00000	.00000	.01150
1.403	2.524	.00000	.00000	.01150
1.404	4.864	.00000	.00000	.01150
1.403	9.567	.00000	.00000	.01150
1.403	14.605	.00000	.00000	.01150
1.403	18.271	.00000	.01020	.01150
1.403	22.670	.00000	.01020	.01150
1.403	GRADIENT	.00000	.00000	-.00000

DELL	ELV-RI	DEL R	DRHL
.00000	.01980	.00830	-18.51800
.00000	.02970	.01820	-12.48300
.00000	.02970	.01820	-6.18640
.00000	.02970	.01820	-3.08300
.00000	.02970	.01820	.04150
.00000	.01980	.00830	3.07390
.00000	.00990	-.00160	5.91920
.00000	.02970	.01820	11.60400
.00000	.02970	.01820	17.61200
.00000	.02970	.01820	21.91200
.01020	.01980	.01820	26.97000
.00000	-.00279	-.00279	1.21732

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

AMES 118-1-11 0A145A 01(+TO-)

(DEF063) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
BOFLAP = .000 SPOBRK = 25.000
RN/L = 5.000

GRADIENT INTERVAL = -5.00/ 5.00

RUN NO. 324/ 0 RN/L = 4.95

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.597	-22.170	.00850	.01020	.01150	.01980	.00170	.00830	-26.40200
.597	-15.372	.00830	.01020	.01130	.01980	.00170	.00830	-18.51800
.597	-10.307	.00850	.01020	.01150	.01980	.00170	.00830	-12.49200
.597	-5.093	.00850	.01020	.01150	.01980	.00170	.00830	-6.19660
.596	-3.066	.00850	.02040	.01150	.01980	.00190	.00830	-3.73330
.597	-1.979	.00850	.02040	.01150	.01980	.00190	.00830	-2.41030
.597	-.962	.00850	.02040	.01150	.01980	.00190	.00830	-1.17200
.597	.026	.00850	.02040	.01150	.01980	.00190	.00830	.03110
.597	1.031	.00850	.02040	.01150	.01980	.00190	.00830	1.25630
.597	2.073	.00850	.02040	.01150	.01980	.00190	.00830	2.52550
.596	2.983	.00850	.02040	.01150	.01980	.00190	.00830	3.63250
.596	3.880	.00850	.02040	.01150	.01980	.00190	.00830	4.72310
.597	4.873	.00850	.02040	.01150	.01980	.00190	.00830	5.92920
.596	9.584	.00850	.02040	.01150	.01980	.00190	.00830	11.62500
.597	14.596	.00850	.02040	.01150	.01980	.00190	.00830	17.60100
.597	18.253	.00850	.02040	.01150	.01980	.00190	.00830	21.89000
.597	23.109	.00850	.02040	.01150	.01980	.00190	.00830	27.46800
.597	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	1.21745

RUN NO. 351/ 0 RN/L = 4.97

GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.902	-22.179	.02550	.01020	.00000	.01980	-.01530	.01980	-26.41200
.901	-15.372	.02550	.01020	.00000	.01980	-.01530	.01980	-18.51800
.901	-10.323	.02550	.02040	.00000	.01980	-.00510	.01980	-12.51200
.902	-5.110	.02550	.01020	.00000	.01980	-.01530	.01980	-6.21710
.901	-3.066	.02550	.02040	.00000	.01980	-.00510	.01980	-3.73330
.902	-1.988	.02550	.02040	.00000	.01980	-.00510	.01980	-2.42150
.901	-.954	.02550	.02040	.00000	.01980	-.00510	.01980	-1.16180
.901	.017	.02550	.02040	.00000	.01980	-.00510	.01980	.02080
.901	1.023	.02550	.03060	.00000	.01980	.00510	.01980	1.24590
.901	2.065	.02550	.03060	.00000	.01980	.00510	.01980	2.51530
.901	2.983	.01700	.01020	.00000	.01980	-.00680	.01980	3.63250
.901	3.921	.01700	.01020	.00000	.01980	-.00680	.01980	4.77330
.901	4.856	.01700	.01020	.00000	.00990	-.00680	.00990	5.90910
.902	9.576	.01700	.01020	.00000	.00990	-.00680	.00990	11.61400
.902	14.586	.01700	.02040	.00000	.01980	.00340	.01980	17.59000
.901	18.262	.01700	.02040	.00000	.01980	.00340	.01980	21.90100
.902	22.855	.01700	.02040	.00000	.01980	.00340	.01980	27.18000
.898	GRADIENT	-.00128	-.00134	.00000	-.00055	-.00006	-.00065	1.21745

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

PAGE 1413

AMES 118-1-11 OAI45A 01(+TO-)

(DEF063) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
BOFLAP = .000 SPOBRK = 25.000
RN/L = 5.000

RUN NO. 361/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.199	-22.205	.01700	.01020	.01150	.00000	-.00680	-.01150	-26.44100
1.199	-15.398	.01700	.01020	.01150	.00000	-.00680	-.01150	-18.54800
1.199	-10.339	.01700	.01020	.01150	.00000	-.00680	-.01150	-12.53100
1.200	-5.135	.01700	.01020	.01150	.00000	-.00680	-.01150	-6.24790
1.201	-3.066	.01700	.01020	.02300	.00000	-.00680	-.02300	-3.73330
1.199	-1.997	.01700	.01020	.01150	.00000	-.00680	-.01150	-2.43270
1.199	-.979	.01700	.01020	.02300	.00000	-.00680	-.02300	-1.19240
1.199	-.017	.01700	.01020	.01150	.00000	-.00680	-.01150	-.02040
1.199	1.040	.01700	.02040	.01150	.00000	.00340	-.01150	1.26670
1.230	2.065	.01700	.02040	.01150	.00000	.00340	-.01150	2.51530
1.199	3.008	.01700	.02040	.01150	.00000	.00340	-.01150	3.66300
1.199	3.929	.01700	.02040	.01150	.00000	.00340	-.01150	4.78340
1.200	4.839	.01700	.02040	.01150	.00000	.00340	-.01150	5.88900
1.201	9.559	.01700	.02040	.01150	.00000	.00340	-.01150	11.59400
1.201	14.577	.01700	.02040	.01150	.00000	.00340	-.01150	17.58000
1.201	18.243	.01700	.02040	.01150	.00000	.00340	-.01150	21.87900
1.200	22.642	.01700	.02040	.01150	.00990	.00340	-.00160	26.93800
	GRADIENT	-.00000	.00173	-.00117	.00000	.00173	.00117	1.21745

(02F064) (16 JUL 77)

AMES 118-1-11 0A145A OI

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN. YO
LREF	=	474.8100	INCHES	YMRP	=	0.0000	IN. ZO
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. ZO
SCALE	=	0500					

ALPHA	=	10.000	BETA	=	.000
ELEVON	=	.000	AILRON	=	.000
BOFLAP	=	.000	SPDBRK	=	25.000
RN/L	=	5.000			

PARAMETRIC DATA

DATA NO	TIME / 0	BN/1	GRADIENT	INTERVAL	=	-5.00/	5.00
725	0	4.96					

[illegible]

GRADIENT	INTERVAL	=	-5.00/	5.00
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MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.801	-15.347	.00850	.01020	.01150	.01980	.00170	.00830	-18.48800
.800	-10.315	.00850	.01020	.02300	.01980	.00170	.00320	-12.50200
.801	-5.084	.00850	.01020	.02300	.01980	.00170	.00320	-6.18640
.800	-2.485	.00850	.01020	.02300	.01980	.00170	.00320	-3.02700
.801	.068	.00850	.01020	.02300	.01980	.00170	.00320	.08310
.801	2.549	.00850	.01020	.02300	.01980	.00170	.00320	3.10440
.799	4.873	.00850	.01020	.02300	.01980	.00170	.00320	5.92920
.801	9.584	.00850	.01020	.02300	.01980	.00170	.00320	11.62500
.801	14.614	.00850	.01020	.02300	.01980	.00170	.00320	17.62300
.800	18.280	.00850	.01020	.01150	.01980	.00170	.00830	21.92200
.800	23.009	.00850	.01020	.01150	.01980	.00170	.00830	27.35500
	GRADIENT	-.00000	.00000	.00000	-.00000	.00000	-.00000	1.21732

0A145 TABULATED FORCE DATA

DATE 10 MAR 80

(D2F084) (16 JUL 77)

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 10.000 BETA = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELEVON = .000 AILRON = .000
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO BDFLAP = .000 SPDRK = 25.000
SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 352/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.900	-15.355	.02550	.02040	.00000	.01980	-.00510	.01980	-18.49800
.902	-10.307	.02550	.02040	.00000	.01980	-.00510	.01980	-12.49200
.901	-5.110	.02550	.02040	.00000	.01980	-.00510	.01980	-6.21710
.901	-2.522	.02550	.01020	.00000	.20790	-.01530	.20790	-3.07180
.901	.060	.02550	.01020	.00000	.00000	-.01530	.19800	.07270
.901	2.516	.02550	.02040	.00000	.20790	-.00510	.20790	3.06380
.902	4.897	.02550	.02040	.00000	.01980	-.00510	.01980	5.95940
.902	9.567	.02550	.02040	.00000	.01980	-.00510	.01980	11.60400
.900	14.586	.02550	.02040	.00000	.01980	-.00510	.01980	17.59000
.901	18.262	.03400	.02040	.00000	.01980	-.01360	.01980	21.90100
.900	22.836	.02550	.02040	.00000	.01980	-.00510	.01980	27.15900
.900	GRADIENT	.00000	.00165	.00000	-.02215	.00165	-.02215	1.21730

RUN NO. 415/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.950	-14.747	.01700	.00000	.02300	.00000	-.01700	-.02300	-17.78000
.951	-10.691	.01700	.01020	.02300	.00000	-.00680	-.02300	-12.95200
.952	-5.344	.01700	.01020	.02300	.00000	-.00680	-.02300	-6.50090
.950	-2.760	.01700	.01020	.02300	.00000	-.00680	-.02300	-3.36070
.951	.083	.01700	.01020	.02300	.00000	-.00680	-.02300	-.10070
.952	2.324	.01700	.01020	.02300	.00000	-.00680	-.02300	2.83050
.950	4.802	.01700	.01020	.02300	.00000	-.00680	-.02300	5.84310
.950	9.700	.01700	.01020	.02300	.00000	-.00680	-.02300	11.76400
.950	14.538	.01700	.01020	.02300	.00000	-.00680	-.02300	17.53400
.950	18.061	.01700	.01020	.02300	.00000	-.00680	-.02300	21.66600
.950	22.771	.01700	.01020	.02300	.00000	-.00680	-.02300	27.08500
.950	GRADIENT	-.00000	.00000	-.00000	.00000	.00000	.00000	1.21733

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

PAGE 1416

AMES 118-1-11 0A145A 01

(02F064) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 AILRON = .000
BOFLAP = .000 SPDBRK = 25.000
RN/L = 5.000

RUN NO. 362/ 0		RN/L = 4.93		GRADIENT INTERVAL = -5.00/ 5.00	
MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI
1.199	-15.381	.01700	.02040	.01150	.00000
1.201	-10.339	.01700	.02040	.01150	.00000
1.199	-5.101	.01700	.02040	.01150	.00000
1.201	-2.541	.01700	.02040	.02300	.00000
1.201	.042	.01700	.02040	.01150	.00000
1.200	2.541	.01700	.02040	.01150	.00000
1.201	4.864	.01700	.02040	.01150	.00000
1.201	8.737	.01700	.01020	.01150	.00000
1.199	14.577	.01700	.01020	.02300	.00000
1.199	18.280	.01700	.01020	.01150	.00000
1.139	22.614	.01700	.02040	.01150	.00000
	GRADIENT	.00000	.00000	-.00140	.00000

DELL .00340
DELR -.01150
DRHL -18.52800
-12.53100
-6.20690
-3.09420
-.05100
3.09420
5.91920
10.60500
17.58000
21.92200
26.90700
1.21732

RUN NO. 379/ 0		RN/L = 4.98		GRADIENT INTERVAL = -5.00/ 5.00	
MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI
1.300	-15.381	.00850	.01020	.01150	.01980
1.299	-10.291	.00850	.01020	.01150	.01980
1.299	-5.160	.00850	.01020	.01150	.01980
1.299	-2.531	.00850	.01020	.01150	.01980
1.299	.077	.00850	.01020	.01150	.01980
1.298	2.524	.00850	.01020	.01150	.02970
1.298	4.814	.00850	.01020	.01150	.01980
1.297	9.601	.00850	.01020	.01150	.01980
1.298	14.633	.00850	.01020	.01150	.01980
1.297	18.253	.00850	.01020	.01150	.01980
1.297	22.679	.00850	.01020	.01150	.01980
	GRADIENT	-.00000	.00000	.00000	.00119

DELL .00170
DELR .00830
DRHL -18.52800
-12.47300
-6.27870
-3.08300
-.09340
3.07390
5.85890
11.64500
17.64500
21.89000
26.98000
1.21734

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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(DEF064) (16 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RN/L = 5.000

RUN NO. 371/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.399	-15.389	.00000	.01020	.03450	.02970	.01020	-.00480	-18.53800
1.401	-10.315	.00000	.01020	.02300	.02970	.01020	.00670	-12.50200
1.401	-5.127	.00000	.01020	.02300	.02970	.01020	.00670	-6.23770
1.401	-2.504	.00000	.01020	.01150	.02970	.01020	.01820	-3.04940
1.401	.111	.00000	.01020	.01150	.02970	.01020	.01820	.13500
1.402	2.499	.00000	.01020	.01150	.02970	.01020	.01820	3.04340
1.402	4.856	.00000	.01020	.01150	.02970	.01020	.01820	5.90910
1.403	9.567	.00000	.01020	.01150	.02970	.01020	.01820	11.60400
1.403	14.586	.00000	.01020	.01150	.02970	.01020	.01820	17.59000
1.401	18.253	.00000	.01020	.02300	.02970	.01020	.00670	21.89000
1.401	22.688	.00000	.01020	.02300	.02970	.01020	.00670	26.99100
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	1.21731

AMES 118-1-11 OAI45A 01

(DEF065) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RN/L = 5.000

RUN NO. 326/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.597	-15.372	.01700	.02040	.01150	.01980	.00340	.00830	-18.51800
.593	-10.323	.01700	.02040	.02300	.01980	.00340	-.00320	-12.51200
.596	-5.093	.01700	.02040	.01150	.01980	.00340	.00830	-6.19660
.597	-2.513	.01700	.02040	.02300	.02970	.00340	.00670	-3.06060
.597	.068	.01700	.01020	.01150	.02970	-.00680	.01820	.08310
.597	2.524	.01700	.02040	.02300	.01980	.00340	-.00320	3.07390
.597	4.864	.01700	.02040	.02300	.01980	.00340	-.00320	5.91920
.596	9.593	.01700	.02040	.02300	.01980	.00340	-.00320	11.63500
.595	14.623	.01700	.02040	.02300	.01980	.00340	-.00320	17.63400
.597	18.299	.01700	.01020	.02300	.01980	-.00680	-.00320	21.94400
.596	23.091	.01700	.01020	.01150	.01980	-.00680	.00830	27.44800
	GRADIENT	.00000	.00039	.00044	-.00161	.00039	-.00205	1.21731

AMES 118-1-11 0A145A 01

(02F065) (16 JUL 77)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN. X0
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. Y0
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. Z0
SCALE	=	.0500					

PARAMETRIC DATA

ALPHA	=	15.000	BETA	=	.000
ELEVON	=	.000	AILRON	=	.000
BCFLAP	=	.000	SPDBRK	=	25.000
RN/L	=	5.000			

RUN NO.	363/ 0	RN/L =	4.92	GRADIENT INTERVAL =	-5.00/	5.00
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MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-Rl	DELL	DEL R	DRLH
1.199	-15.389	.0850	.01020	.01150	.00990	.00170	-.00160	-18.53800
1.199	-10.315	.0850	.01020	.01150	.00990	.00170	-.00160	-12.50200
1.199	-5.110	.0850	.01020	.01150	.00990	.00170	-.00160	-6.21710
1.201	-2.504	.0850	.02040	.01150	.00990	.01190	-.00160	-3.04940
1.200	.008	.0850	.02040	.01150	.00990	.01190	-.00160	.01040
1.200	2.507	.0850	.02040	.01150	.00990	.01190	-.00160	3.05360
1.200	4.873	.0850	.02040	.01150	.00990	.01190	-.00160	5.92920
1.200	9.618	.0850	.02040	.01150	.00990	.01190	-.00160	11.66500
1.199	14.596	.0850	.02040	.01150	.00990	.01190	-.00160	17.60100
1.199	22.670	.0850	.02040	.01150	.00990	.01190	-.00160	26.97000
GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00000	1.21730

RUN NO. 378/ 0 RN/L = 4.95

[illegible]

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

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AMES 118-1-11 0A145A 01

(D2F065) (16 JUL 77)

REFERENCE DATA

-	SREF	-	2690.0000	SC.FT.	-	XMRP	-	1076.5800	IN.	XO
-	LREF	-	474.8100	INCHES	-	YMRP	-	.0000	IN.	YO
-	BREF	-	936.6800	INCHES	-	ZMRP	-	375.0000	IN.	ZO
-	SCALE	-	.0500							

ALPHA	=	15.000	BETA	=	.000
ELEVON	=	.000	AILRON	=	.000
BDFLAP	=	.000	SPDBRK	=	25.000
RN/L	=	5.000			

PARAMETRIC DATA

RUN NO.	372/ 0	RN/L =	4.90	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

AMES 118-1-11 0A145A 01

(D2F066) (16 JUL 77)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN.	XO
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN.	YO
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN.	ZO
SCALE	=	.0500						

BETA	=	.000	ELEVON	=	.000
AILRON	=	.000	BDFLAP	=	.000
SPOBRK	=	25.000	RUDDER	=	-5.000
RN/L	=	5.000			

PARAMETRIC DATA

RUN NO.	330/ 0	RN/L =	4.96	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

REFERENCE DATA

SREF = 2690.0000 SO.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

BETA = .000
ATLIRON = .000
SPOBRK = 25.000
RN/L = 5.000

ELEVON = .000
BOFLAP = .000
RUDDER = -5.000

RUN NO. 347/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.797	-4.994	.01700	.02040	.01150	.01980	.00340	.00830	-6.26840
.799	.011	.00850	.02040	.01150	.01980	.01190	.00830	-6.26840
.800	2.065	.01700	.02040	.01150	.01980	.00340	.00830	-6.26840
.796	5.052	.01700	.02040	.01150	.01980	.00340	.00830	-6.26840
.796	7.101	.00850	.02040	.00000	.01980	.01190	.00830	-6.26840
.798	8.135	.00850	.02040	.00000	.01980	.01190	.01980	-6.27870
.796	10.194	.00850	.01020	.01150	.01980	.00170	.00830	-6.26840
.795	12.242	.00850	.01020	.01150	.01980	.00850	.00830	-6.21710
.792	15.322	.00850	.01020	.01150	.01980	.00170	.00830	-6.20690
GRADIENT		-.00032	.00000	.00000	-.00000	.00032	.00000	.00000

RUN NO. 384/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.902	-5.228	.00000	.00000	.00000	.01980	.00000	.01980	-6.16590
.904	-.208	.00000	.01020	.00000	.01980	.01020	.01980	-6.15560
.900	1.824	.00000	.01020	.00000	.01980	.01020	.01980	-6.28900
.896	4.947	.00000	.01020	.00000	.01980	.01020	.01980	-6.29920
.900	7.010	.00000	.00000	.00000	.01980	.00000	.01980	-6.25820
.900	8.031	.00850	.01020	.00000	.01980	.0170	.01980	-6.31970
.899	10.072	.00850	.01020	.01150	.01980	.00170	.00830	-6.31970
.897	12.166	.00000	.00000	.01150	.01980	.00000	.00830	-6.26840
.901	15.221	.00000	.00000	.01150	.01980	.00000	.00830	-6.30950
GRADIENT		.00000	.00000	.00000	-.00000	.00000	-.00000	-.02579

RUN NO. 411/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.951	-4.966	.01700	.01020	.00000	.04950	-.00580	.04950	-6.51910
.949	.123	.00000	.01020	.00000	.04950	.01020	.04950	-6.51910
.951	2.163	.00000	.01020	.00000	.04950	.01020	.04950	-6.51910
.948	5.189	.00000	.01020	.01150	.04950	.01020	.03800	-6.51000
.949	7.280	.00850	.01020	.00000	.04950	.00170	.04950	-6.51000
.947	8.303	.00850	.01020	.01150	.04950	.00170	.03800	-6.51000
.944	10.361	.00000	.01020	.01150	.04950	.01020	.03800	-6.51000
.949	12.390	.00000	.01020	.01150	.04950	.00000	.03800	-6.51000
.948	15.423	.00000	.00000	.01150	.04950	.00000	.03800	-6.51910
GRADIENT		-.00257	.00000	.00000	.00000	.00257	.00000	.00000

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OAI45 TABULATED FORCE DATA

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(02F066) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 25.000 RUDDER = -5.000
 RN/L = 5.000

RUN NO. 358/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.101	-5.075	.03400	.03060	.00000	.00990	-.00340	.00990	-6.21710
1.101	-.018	.03400	.02040	.00000	.00990	-.01360	.00990	-6.21710
1.102	2.028	.02550	.01020	.00000	.00990	-.01530	.00990	-6.21710
1.100	5.120	.01700	.02040	.01150	.00990	-.00340	-.00160	-6.20690
1.097	7.174	.02550	.02040	.01150	.00990	-.00510	-.00160	-6.20690
1.097	8.209	.02550	.02040	.00000	.00990	-.00510	.00990	-6.20690
1.095	10.240	.01700	.02040	.01150	.00990	-.00340	-.00160	-6.20690
1.093	12.259	.02550	.02040	.01150	.00990	-.00510	-.00160	-6.20690
1.099	15.317	.02550	.02040	.00000	.00990	-.00510	.00990	-6.20690
GRADIENT		-.00416	-.00499	.00000	.00000	-.00083	.00000	.00000

RUN NO. 364/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.200	-5.102	.00850	.03060	.01150	.00990	.02210	-.00160	-6.22740
1.200	-4.846	.00850	.03060	.02300	.00990	.02210	-.01310	-6.22740
1.200	-.057	.00850	.02040	.02300	.00990	.01190	-.01310	-6.22740
1.198	2.512	.00000	.02040	.01150	.00990	.02040	-.00160	-6.22740
1.198	5.186	.00850	.02040	.02300	.00990	.01190	-.01310	-6.22740
1.196	7.158	.00000	.02040	.02300	.00990	.02040	-.01310	-6.22740
1.199	8.199	.00000	.02040	.01150	.00990	.02040	-.00160	-6.21710
1.198	10.271	.00850	.02040	.02300	.00990	.01190	-.01310	-6.21710
1.199	12.262	.00850	.02040	.02300	.00990	.01190	-.01310	-6.21710
1.198	15.287	.00850	.01020	.01150	.00990	.01150	-.00160	-6.21710
GRADIENT		-.00101	-.00148	-.00136	.00000	-.00047	.00136	-.00000

RUN NO. 377/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.297	-5.289	.00850	.02040	.02300	.01980	.01190	-.00320	-6.08360
1.299	-.381	.00850	.01020	.01150	.01980	.00170	-.00830	-6.29920
1.296	2.284	.00850	.01020	.02300	.01980	.00170	-.00320	-6.30950
1.294	4.753	.00850	.01020	.02300	.01980	.00170	-.00320	-6.30950
1.293	6.872	.00850	.01020	.01150	.01980	.00170	.00830	-6.30950
1.294	7.890	.00850	.01020	.01150	.01980	.00170	.00830	-6.30950
1.292	10.031	.00850	.01020	.01150	.01980	.00170	.00830	-6.30950
1.289	12.008	.00850	.01020	.01150	.01980	.00170	.00830	-6.30950
1.289	15.076	.00850	.01020	.02300	.02970	.00170	.00670	-6.30950
GRADIENT		.00000	.00000	.00227	.00000	.00000	-.00227	-.00203

0A145 TABULATED FORCE DATA

DATE 10 MAR 80

(02F066) (16 JUL 77)

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BOFLAP = .000
SPDBRK = 25.000 RUDDER = -5.000
RN/L = 5.000

RUN NO. 373/ 0 RN/L = 4.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.407	-5.316	.00850	.01020	.02300	.01980	.00170	-.00320	-6.18640
1.414	-1.158	.00000	.01020	.02300	.01980	.01020	-.00320	-6.18640
1.413	2.288	.00000	.01020	.01150	.01980	.01020	.00630	-6.18640
1.412	4.793	.00000	.01020	.02300	.01980	.01020	-.00320	-6.18640
1.409	6.848	.00850	.01020	.02300	.01980	.00170	-.00320	-6.18640
1.407	7.896	.00850	.01020	.02300	.01980	.00170	-.00320	-6.17610
1.403	10.038	.00850	.01020	.02300	.01980	.00170	-.00320	-6.16590
1.398	12.044	.00850	.01020	.01150	.02970	.00170	.01820	-6.15560
1.393	15.113	.00000	.01020	.01150	.02970	.01020	.01820	-6.15560
	GRADIENT	.00000	.00000	.00002	.00000	.00000	-.00002	-.00000

(02F067) (16 JUL 77)

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BOFLAP = .000
SPDBRK = 25.000 RUDDER = -5.000
RN/L = 5.000

RUN NO. 327/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.597	-6.035	.00000	.02040	.02300	.02970	.02040	.00670	-6.21710
.596	-1.878	.00000	.02040	.02300	.02970	.02040	.00670	-6.21710
.597	-.828	.00000	.02040	.02300	.02970	.02040	.00670	-6.22740
.597	.042	.00000	.02040	.02300	.02970	.02040	.00670	-6.22740
.596	.433	.00000	.02040	.02300	.02970	.02040	.00670	-6.22740
.596	.939	.00000	.02040	.02300	.02970	.02040	.00670	-6.22740
.596	2.032	.00000	.02040	.02300	.02970	.02040	.00670	-6.22740
.596	3.092	.00000	.02040	.02300	.02970	.02040	.00670	-6.22740
.596	4.133	.00000	.02040	.02300	.02970	.02040	.00670	-6.22740
.596	6.186	.00000	.02040	.02300	.02970	.02040	.00670	-6.22740
	GRADIENT	.00000	.00000	-.00000	.00000	.00000	.00000	-.00105

0A145 TABULATED FORCE DATA

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(D2F067) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO

LREF = 474.8100 INCHES YMRP = .0000 IN. YO

BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO

SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000

ATLRON = .000 BDFLAP = .000

SPOBRK = 25.000 RUDDER = -5.000

RN/L = 5.000

RUN NO. 348/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.798	-6.086	.01700	.02040	.01150	.01980	.00340	.00830	-6.18640
.799	-1.873	.01700	.02040	.01150	.01980	.00340	.00830	-6.19660
.798	-.799	.01700	.02040	.01150	.01980	.00340	.00830	-6.20690
.799	.046	.01700	.02040	.01150	.01980	.00340	.00830	-6.20690
.799	.461	.01700	.02040	.01150	.01980	.00340	.00830	-6.20690
.798	1.022	.01700	.02040	.01150	.01980	.00340	.00830	-6.21710
.800	2.083	.01700	.02040	.01150	.01980	.00680	.00830	-6.21710
.799	3.148	.01700	.01020	.01150	.01980	.00680	.00830	-6.21710
.799	4.189	.01700	.01020	.01150	.01980	.00680	.00830	-6.22740
.796	6.267	.01700	.01020	.01150	.01980	.00680	.00830	-6.22740
GRADIENT		.00000	-.00188	.00000	.00000	-.00188	.00000	-.00330

RUN NO. 385/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.901	-6.114	.00000	.01020	.01150	.01980	.01020	.00830	-6.33000
.903	-1.973	.00000	.01020	.01150	.01980	.01020	.00830	-6.33000
.902	-.920	.00000	.01020	.00000	.01980	.01020	.01980	-6.34250
.903	.117	.00000	.01020	.00000	.01980	.01020	.01980	-6.33000
.902	.665	.00000	.01020	.00000	.01980	.01020	.01980	-6.35500
.902	1.172	.00000	.00000	.00000	.01980	.00000	.01980	-6.36750
.900	2.251	.00000	.00000	.01150	.01980	.00000	.00830	-6.39260
.901	3.304	.00000	.01020	.01150	.01980	.01020	.00830	-6.38000
.901	4.351	.00000	.01020	.00000	.01980	.01020	.01980	-6.40510
.899	6.428	.00000	.00000	.01150	.01980	.00000	.00830	-6.40510
GRADIENT		.00000	-.00038	.00008	-.00000	-.00038	-.00008	-.01233

RUN NO. 412/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.951	-6.107	.01700	.01020	.01150	.04950	-.00680	.03800	-6.50090
.950	-1.939	.01700	.01020	.01150	.04950	-.00680	.03800	-6.51910
.950	-.900	.02550	.01020	.01150	.04950	-.01530	.03800	-6.52820
.950	.046	.02550	.01020	.01150	.04950	-.01530	.03800	-6.52820
.951	.587	.01700	.01020	.01150	.04950	-.00680	.03800	-6.52820
.951	1.105	.01700	.01020	.01150	.04950	-.00680	.03800	-6.53730
.950	2.163	.01700	.01020	.01150	.04950	-.00680	.03800	-6.54640
.950	3.206	.01700	.01020	.01150	.04950	-.00680	.03800	-6.54640
.950	4.247	.01700	.01020	.02300	.04950	-.00680	.02650	-6.56450
.950	6.325	.01700	.01020	.02300	.04950	-.00680	.02650	-6.56450
GRADIENT		-.00084	.00000	.00122	.00000	.00084	-.00122	-.00448

0A145 TABULATED FORCE DATA

(D2F067) (16 JUL 77)

DATE 10 MAR 80

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN. ZO
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. ZO
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. ZO
SCALE	=	.0500					

PARAMETRIC DATA

ALPHA	=	5.000	ELEVON	=	.000
AILIRON	=	.000	BDFLAP	=	.000
SPOBRK	=	25.000	RUDDER	=	-5.000
RN/L	=	5.000			

MACH	BETA	ELV-L0	ELV-L1	ELV-R0	ELV-R1	DELL	DELR	DRHL
1.100	-6.081	.01700	.02040	.01150	.00990	.00340	-.00160	-6.17810
1.100	-1.945	.02550	.02040	.00000	.00990	-.00510	.00990	-6.18640
1.099	-.905	.03400	.02040	.00000	.00990	-.01360	.00990	-6.18640
1.100	.168	.01700	.02040	.00000	.00990	.00340	.00990	-6.19660
1.101	.674	.01700	.02040	.00000	.00990	.00340	.00990	-6.19660
1.100	1.182	.02550	.02040	.01150	.00990	-.00510	-.00160	-6.19660
1.101	2.224	.03400	.02040	.01150	.00990	-.01360	-.00160	-6.20690
1.100	3.264	.00850	.02040	.01150	.00990	.01190	-.00160	-6.20690
1.100	4.302	.01700	.02040	.01150	.00390	.00340	-.00160	-6.21710
1.100	6.367	.01700	.02040	.01150	.00990	.00340	-.00160	-6.23770
1.100	10.000	.01000	.00000	.00244	.00000	.00195	-.00244	-.00493

MAC-1	RUN NO.	365/ 0	RN/L	5.01	GRADIENT	INTERVAL	- 5.00/	5.00	DEL	DEL	DEL	DEL
		BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL			
1.139	-6.167	.0000	.0000	.0204	.04590	.00990	.02040	-.03600	-6.17610			
1.231	-2.034	.0000	.0000	.0204	.03450	.00990	.02040	-.02460	-6.19660			
1.199	-.984	.0000	.0000	.0204	.03450	.00990	.02040	-.02460	-6.20690			
1.199	.023	.0000	.0000	.0204	.02300	.00990	.02040	-.01310	-6.21710			
1.201	.699	.0000	.0000	.0204	.02300	.00990	.02040	-.01310	-6.21710			
1.199	1.159	.0000	.0000	.0204	.02300	.00990	.02040	-.02460	-6.21710			
1.199	2.208	.0000	.0000	.0204	.03450	.00990	.02040	-.02460	-6.22740			
1.200	3.253	.00850	.00850	.0204	.03450	.00990	.01190	-.02460	-6.23770			
1.199	4.290	.00850	.00850	.01020	.03450	.00990	.00170	-.02460	-6.24790			
1.196	6.361	.00000	.00000	.02040	.04590	.00990	.02040	-.03600	-6.25790			
		GRADIENT	.00145	.00104	.00049	.00000	-.00249	-.00049	-.00550			

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.299	-6.095	.00850	.01020	.03450	.01980	.00170	-.01470	-6.14530
1.301	-1.950	.00850	.01020	.02300	.02970	.00170	.00670	-6.15560
1.299	-.898	.00850	.01020	.02300	.01980	.00170	-.00320	-6.16590
1.297	.149	.00850	.01020	.01150	.02970	.00170	.01820	-6.16590
1.296	.656	.00850	.01020	.01150	.02970	.00170	.01820	-6.16590
1.194	1.194	.00000	.01020	.01150	.02970	.01020	.01820	-6.16590
1.297	2.257	.00000	.01020	.01150	.02970	.01020	.01820	-6.15560
1.297	3.313	.00000	.01020	.01150	.02970	.01020	.01820	-6.15560
1.296	4.356	.00000	.01020	.01150	.02970	.00170	.00830	-6.13510
1.294	6.423	.00950	.01020	.01150	.01980	.00170	.00553	.00076
	GRADIENT	-.00179	.00000	-.00188	.00064	.00179	.00253	

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

(02F067) (16 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPOBRK = 25.000 RUDDER = -5.000
 RN/L = 5.000

RUN NO. 374/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.410	-6.161	.00850	.01020	.02300	.02970	.00170	.00670	-6.25820
1.409	-2.007	.00850	.01020	.02300	.02970	.00170	.00670	-6.23770
1.405	-.947	.00850	.01020	.03450	.01980	.00170	-.01470	-6.24790
1.405	.107	.00850	.01020	.03450	.01980	.00170	-.01470	-6.25820
1.404	.674	.00850	.01020	.03450	.01980	.00170	-.01470	-6.24790
1.403	1.187	.00850	.01020	.03450	.01980	.00170	-.01470	-6.24790
1.402	2.248	.00850	.01020	.03450	.01980	.00170	-.01470	-6.19660
1.403	3.304	.00850	.01020	.03450	.01980	.00170	-.01470	-6.14530
1.402	4.355	.00850	.01020	.03450	.01980	.00170	-.01470	-6.06330
1.400	6.445	.00850	.01020	.03450	.01980	.00170	-.01470	-.01331
	GRADIENT	-.00000	.00000	.00113	-.00097	.00000	-.00210	

AMES 118-1-11 OAI45A 01

(02F068) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPOBRK = 25.000 RUDDER = -22.800
 RN/L = 5.000

RUN NO. 328/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.597	-6.007	.00000	.02040	.02300	.02970	.02040	.00670	-26.36300
.597	-1.850	.00000	.02040	.02300	.02970	.02040	.00670	-26.35300
.597	-.803	.00000	.02040	.02300	.02970	.02040	.00670	-26.34300
.598	.050	.00000	.02040	.02300	.01980	.02040	-.00320	-26.33400
.598	.456	.00000	.02040	.02300	.01980	.02040	-.00320	-26.31400
.598	.971	.00000	.02040	.02300	.01980	.02040	-.00320	-26.31400
.597	2.065	.00000	.02040	.02300	.01980	.02040	-.00320	-26.30500
.598	3.126	.00000	.02040	.02300	.01980	.02040	-.00320	-26.30500
.598	4.157	.00000	.02040	.02300	.03960	.02040	-.01660	-26.29500
.598	6.208	.00000	.02040	.02300	.01980	.02040	-.00320	-26.28500
	GRADIENT	.00000	.00000	-.00000	.00055	.00000	.00055	.00966

0A145 TABULATED FORCE DATA

AMES 118-1-11 0A145A 01

DATE 10 MAR 80

(02F068) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDLAP = .000
SPDRK = 25.000 RUDDER = -22.800
RN/L = 5.000

RUN NO. 389/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.900	-6.085	.01700	.01020	.03450	.01980	-.00680	-.01470	-26.38200
.901	-1.905	.01700	.01020	.03450	.01980	-.00680	-.01470	-26.39200
.900	-.868	.01700	.01020	.03450	.02970	-.00680	-.00480	-26.37300
.901	.058	.01700	.01020	.03450	.02970	-.00680	-.00480	-25.93500
.900	.586	.01700	.01020	.03450	.02970	-.00680	-.00480	-26.30500
.902	1.111	.01700	.01020	.03450	.02970	-.00680	-.00480	-26.29500
.899	2.182	.01700	.01020	.03450	.02970	-.00680	-.00480	-26.31400
.898	3.222	.01700	.01020	.03450	.02970	-.00680	-.00480	-26.34300
.897	4.264	.01700	.01020	.03450	.02970	-.00680	-.00480	-26.00300
.896	6.339	.01700	.01020	.03450	.03960	-.00680	-.00510	-26.39200
	GRADIENT	.00000	.00000	.00000	.00099	-.00000	.00099	.02953

RUN NO. 366/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.201	-6.039	.00000	.02040	.03450	.00990	.02040	-.02460	-26.41200
1.200	-1.911	.00000	.02040	.02300	.00990	.02040	-.01310	-26.43100
1.199	-.866	.00000	.02040	.02300	.00990	.02040	-.01310	-26.42100
1.198	.204	.00000	.02040	.02300	.00990	.02040	-.01310	-26.42100
1.200	.675	.00000	.02040	.02300	.00990	.02040	-.02300	-26.43100
1.200	1.186	.00000	.02040	.02300	.00000	.02040	-.02300	-26.43100
1.201	2.228	.00000	.01020	.01150	.00990	.00170	-.00160	-26.44100
1.199	3.267	.00850	.01020	.01150	.00990	.00170	-.00160	-26.44100
1.197	4.303	.00000	.01020	.01150	.00990	.01020	-.00160	-26.45100
1.197	6.371	.00000	.01020	.01150	.00990	.01020	-.00160	-26.45100
	GRADIENT	.00060	-.00216	-.00244	-.00002	-.00275	.00242	-.00273

RUN NO. 375/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.402	-6.101	.00000	.01020	.03450	.01980	.01020	-.01470	-26.41200
1.408	-1.935	.00000	.01020	.03450	.01980	.01020	-.01470	-26.42100
1.407	-.888	.00000	.01020	.03450	.01980	.01020	-.01470	-26.42100
1.405	.190	.00000	.01020	.03450	.01980	.01020	-.01470	-26.42100
1.404	.673	.00000	.01020	.03450	.01980	.01020	-.01470	-26.42100
1.404	1.211	.00000	.01020	.03450	.01980	.01020	-.01470	-26.42100
1.403	2.269	.00000	.01020	.03450	.01980	.01020	-.01470	-26.43100
1.402	3.318	.00000	.01020	.03450	.01980	.01020	-.01470	-26.43100
1.402	4.370	.00850	.01020	.00000	.02970	.00170	.02970	-26.42100
1.399	6.454	.00850	.01020	.00000	.02970	.00170	.02970	-26.42100
	GRADIENT	.00088	.00000	-.00357	.00102	-.00088	.00459	-.00173

(D2F069) (16 JUL 77)

REFERENCE DATA

[illegible]

PARAMETRIC DATA

ALPHA -
ELEVON -
BDFLAP -
RN/L -

RUN NO.	322/ 0	RN/L = 4.97	GRADIENT INTERVAL = -5.00/ 5.00
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[illegible]

RUN NO.	349/ 0	RN/L =	4.96	GRADIENT INTERVAL =	-5.00/	5.00
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MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.901	-15.347	.01700	.01020	.00000	.01980	-.00680	.01980	-18.48800
.903	-10.323	.01700	.01020	.00000	.01980	-.00680	.01980	-12.51200
.902	-5.110	.01700	.01020	.00000	.01980	-.00680	.01980	-6.21710
.901	-2.522	.01700	.01020	.00000	.01980	-.00680	.01980	-3.07180
.901	.000	.01700	.01020	.00000	.01980	-.00680	.01980	.00000
.902	2.491	.01700	.01020	.00000	.01980	-.00680	.01980	3.03330
.902	4.873	.01700	.01020	.00000	.01980	-.00680	.01980	5.92920
.902	9.576	.01700	.01020	.00000	.01980	-.00680	.01980	11.61400
.901	14.614	.01700	.01020	.00000	.01980	-.00680	.01980	17.62300
.901	18.271	.01700	.02040	.00000	.01980	.00340	.01980	21.91200
.901	22.873	.01700	.02040	.00000	.01980	.00340	.01980	27.20100
GRADIENT		.00000	.00000	.00000	.00000	-.00000	.00000	1.21730

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(02F070) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPOBRK = .000 RUDDER = .000
RN/L = 5.000

RUN NO. 623/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.951	-5.265	.00850	.01020	.02300	.02970	.00170	.00670	-.13360
.950	-1.104	.00000	.01020	.03450	.01980	.01020	-.01470	-.13360
.951	2.447	.00000	.01020	.03450	.02970	.01020	-.00480	-.13360
.951	4.941	.00000	.01020	.02300	.01980	.01020	-.00320	-.12540
.950	6.982	.00000	.01020	.00000	.01980	.01020	.01980	-.13360
.950	8.013	.00000	.01020	.03450	.01980	.01020	-.01470	-.12540
.951	10.043	.00000	.01020	.02300	.02970	.01020	.00670	-.12540
.949	12.030	.00850	.01020	.02300	.02970	.00170	.00670	-.12540
.950	15.010	.00000	.01020	.03450	.02970	.01020	-.00480	-.11710
GRADIENT		.00000	-.00000	-.00227	.00001	-.00000	.00229	.00162

RUN NO. 622/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.101	-5.091	.03400	.01020	.03450	.01980	-.02380	-.01470	-.13360
1.103	-.021	.03400	.01020	.03450	.01980	-.02380	-.01470	-.13360
1.102	2.488	.00000	.01020	.03450	.01980	.01020	-.01470	-.13360
1.101	5.039	.00000	.01020	.03450	.01980	.01020	-.01470	-.13360
1.101	7.054	.00000	.01020	.03450	.01980	.01020	-.01470	-.13360
1.102	8.035	.00000	.01020	.03450	.01980	.01020	-.01470	-.13360
1.101	10.034	.00000	.01020	.03450	.01980	.01020	-.01470	-.13360
1.098	12.044	.00000	.01020	.03450	.01980	.01020	-.01470	-.13360
1.098	15.046	.00000	.01020	.03450	.01980	.01020	-.01470	-.13360
GRADIENT		-.01355	-.00000	.00000	.00000	.01355	.00000	.00000

RUN NO. 609/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.203	-5.074	.02550	.01020	.02300	.00990	-.01530	-.01310	-.12540
1.201	-.068	.00850	.01020	.00000	.00990	.00170	.00990	-.12540
1.200	2.489	.00850	.01020	.02300	.00990	.00170	-.01310	-.12540
1.201	4.946	.00850	.01020	.02300	.00990	.00170	-.01310	-.12540
1.199	7.017	.00850	.01020	.02300	.00990	.00170	-.01310	-.12540
1.198	8.065	.00850	.01020	.01150	.00990	.00170	-.00160	-.12540
1.201	10.011	.00000	.01020	.01150	.00990	.01020	-.00160	-.12540
1.201	11.969	.00000	.01020	.00000	.00990	.01020	.00990	-.12540
1.201	14.954	.00000	.01020	.01150	.00990	.01020	-.00160	-.12540
1.198	GRADIENT	-.00000	-.00000	.00462	-.00000	-.00000	-.00462	.00000

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OAI45 TABULATED FORCE DATA

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(02F071) (08 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000
RN/L = 5.000

RUN NO. 883/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.800	-5.269	.00850	.03060	.01150	.02970	.02210	.01820	-.15000
.800	-.254	.00850	.03060	.01150	.02970	.02210	.01820	-.15000
.800	2.307	.00850	.03060	.01150	.02970	.02210	.01820	-.15000
.798	4.928	.00850	.03060	.01150	.02970	.02210	.01820	-.15000
.800	8.056	.00850	.03060	.01150	.02970	.02210	.01820	-.12540
.802	10.090	.00850	.03060	.01150	.02970	.02210	.01820	-.10890
.797	12.103	.00000	.03060	.01150	.02970	.03060	.01820	-.14180
.794	15.117	.00000	.02040	.01150	.02970	.02040	.01820	-.11710
.800	17.088	.00850	.02040	.01150	.02970	.01190	.01820	-.06790
.798	19.033	.01700	.02040	.02300	.02970	.00340	.00670	-.10070
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 884/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.900	-5.277	.00850	.03060	.02300	.02970	.02210	.00670	-.10890
.900	-.267	.00850	.03060	.02300	.02970	.02210	.00670	-.10070
.902	2.326	.00850	.03060	.02300	.02970	.02210	.00670	-.05960
.901	4.934	.01700	.03060	.01150	.02970	.01360	.01820	-.05140
.899	8.069	.00850	.03060	.01150	.02970	.02210	.01820	-.08430
.901	10.114	.00850	.03060	.01150	.02970	.02210	.01820	-.05140
.900	12.150	.00850	.02040	.01150	.02970	.01190	.01820	-.04320
.901	15.130	.01700	.02040	.01150	.02970	.00340	.01820	-.06790
.901	17.119	.01700	.02040	.02300	.02970	.00340	.00670	-.03500
.903	19.079	.00850	.02040	.02300	.02970	.01190	.00670	-.11710
GRADIENT		.00164	.00000	-.00221	.00000	-.00164	.00221	.00947

RUN NO. 885/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.950	-5.254	.00850	.03060	.02300	.02970	.02210	.00670	-.12540
.948	-.303	.00850	.03060	.02300	.02970	.02210	.00670	-.12540
.951	2.290	.01700	.03060	.02300	.02970	.01360	.00670	-.12540
.952	4.944	.00850	.03060	.01150	.02970	.02210	.01820	-.12540
.952	8.092	.01700	.03060	.01150	.02970	.01360	.01820	-.10070
.952	10.143	.00850	.03060	.01150	.02970	.02210	.01820	-.12540
.950	12.153	.00850	.02040	.01150	.02970	.01190	.01820	-.10890
.950	15.165	.00850	.02040	.01150	.02970	.01190	.01820	-.10890
.951	17.120	.00850	.02040	.01150	.02970	.01190	.01820	-.10890
.950	19.066	.02550	.02040	.01150	.02970	-.00510	.01820	-.10070
GRADIENT		-.00001	-.00000	-.00220	.00000	.00001	.00220	.00000

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(02F072) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
AILRON = .000 BOFLAP = .000
SPDBRK = .000 RUDDER = .000
RN/L = 5.000

RUN NO. 645/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.599	-6.190	.01700	.01020	.00000	.01980	-.00680	.01980	-.12540
.598	-2.097	.02550	.01020	.00000	.01980	-.01530	.01980	-.13360
.597	-1.053	.02550	.01020	.00000	.01980	-.01530	.01980	-.13360
.597	.019	.02550	.01020	.00000	.01980	-.01530	.01980	-.13360
.597	.537	.02550	.01020	.00000	.01980	-.01530	.01980	-.14180
.597	1.056	.02550	.01020	.00000	.01980	-.01530	.01980	-.13360
.597	2.113	.02550	.01020	.00000	.01980	-.01530	.01980	-.14180
.597	3.153	.02550	.01020	.00000	.01980	-.01530	.01980	-.14180
.597	4.186	.02550	.01020	.00000	.01980	-.01530	.01980	-.14180
.597	6.244	.02550	.01020	.00000	.01980	-.01530	.01980	-.14180
	GRADIENT	.00000	.00000	.00000	.00000	-.00000	.00000	-.00159

RUN NO. 633/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.903	-6.258	.01700	.01020	.01150	.03960	-.00680	.02810	-.08430
.902	-2.120	.00850	.01020	.01150	.03960	-.00170	.02810	-.09250
.903	-1.061	.01700	.01020	.01150	.03960	-.00680	.02810	-.13360
.900	.023	.01700	.01020	.01150	.03960	-.00680	.02810	-.13360
.900	.545	.01700	.01020	.01150	.03960	-.00170	.02810	-.13360
.899	1.069	.00850	.01020	.01150	.03960	.00170	.02810	-.14180
.899	2.137	.00850	.01020	.01150	.03960	.00170	.02810	-.14180
.899	3.189	.00850	.01020	.01150	.03960	.00170	.02810	-.14180
.899	4.232	.00850	.01020	.01150	.03960	.00170	.02810	-.14180
.897	6.311	.00850	.01020	.01150	.03960	.00170	.02810	-.14180
	GRADIENT	-.00034	.00000	.00000	.00000	.00094	.00000	-.00842

RUN NO. 626/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.949	-6.264	.02550	.01020	.02300	.01980	-.01530	-.00320	-.12540
.954	-2.114	.02550	.01020	.01150	.01980	-.01530	.00830	-.13360
.951	-1.058	.02550	.01020	.01150	.01980	-.01530	.00830	-.13360
.950	.024	.02550	.01020	.01150	.01980	-.01530	.00830	-.13360
.950	.545	.02550	.01020	.01150	.01980	-.01530	.00830	-.13360
.951	1.067	.02550	.01020	.01150	.01980	-.01530	.00830	-.13360
.950	2.135	.02550	.01020	.01150	.01980	-.01530	.00830	-.13360
.950	3.186	.02550	.01020	.01150	.01980	-.01530	.00830	-.13360
.949	4.233	.02550	.01020	.01150	.01980	-.01530	.00830	-.13360
.946	6.317	.02550	.01020	.01150	.01980	-.01530	.00830	-.13360
	GRADIENT	.00000	.00000	.00000	.00000	-.00000	.00000	-.00000

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(02F072) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

ALPHA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000
RN/L = 5.000

PARAMETRIC DATA

RUN NO. 614/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.203	-6.264	.02550	.01020	.04600	.01980	-.01530	-.02620	-.10890
1.206	-2.118	.02550	.01020	.03450	.01980	-.01530	-.01470	-.10890
1.203	-1.060	.02550	.01020	.03450	.01980	-.01530	-.01470	-.10890
1.203	.023	.03400	.01020	.04600	.01980	-.02380	-.02620	-.10890
1.202	.543	.04250	.01020	.04600	.01980	-.03230	-.02620	-.10890
1.202	1.066	.02550	.01020	.04600	.01980	-.01530	-.02620	-.10890
1.203	2.133	.00000	.01020	.04600	.01980	.01020	-.02620	-.10890
1.203	3.186	.00000	.01020	.04600	.01980	.01020	-.02620	-.10890
1.203	4.234	.00000	.01020	.04600	.01980	.01020	-.02620	-.10890
1.198	6.321	.00000	.01020	.04600	.01980	.01020	-.02620	-.11710
	GRADIENT	-.00578	.00000	.00188	-.00000	.00578	-.00188	-.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000
RN/L = 5.000

PARAMETRIC DATA

AMES 118-1-11 OAI45A 01

(02F073) (08 JUL 77)

RUN NO. 646/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.597	-6.049	.01700	.01020	.00000	.02970	-.00680	.02970	-.12540
.597	-1.927	.01700	.01020	.00000	.04950	-.00680	.04950	-.12540
.598	-.879	.01700	.01020	.00000	.04950	-.00680	.04950	-.13360
.598	.026	.01700	.01020	.00000	.03960	-.00680	.03960	-.13360
.598	.503	.01700	.01020	.00000	.03960	-.00680	.03960	-.13360
.598	1.024	.01700	.01020	.00000	.03960	-.00680	.03960	-.13360
.598	2.095	.01700	.01020	.00000	.03960	-.00680	.03960	-.14180
.598	3.143	.01700	.01020	.00000	.03960	-.00680	.03960	-.14180
.598	4.177	.01700	.01020	.00000	.03960	-.00680	.03960	-.14180
.598	6.236	.01700	.01020	.00000	.03960	-.00680	.03960	-.14180
	GRADIENT	.00000	.00000	.00000	-.00164	-.00000	-.00164	-.00261

OAI45 TABULATED FORCE DATA
AMES 118-1-11 OAI45A 01

DATE 10 MAR 80

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILLON = .000 BDFLAP = .000
SPDRK = .000 RUDDER = .000
RN/L = 5.000

RUN NO. 560/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.799	-6.105	.00000	.01020	.01150	.02970	.01020	.01820	-.09250
.801	-1.953	.00000	.01020	.01150	.02970	.01020	.01820	-.09250
.799	-.912	.00000	.01020	.01150	.02970	.01020	.01820	-.10890
.800	.038	.00000	.01020	.01150	.02970	.01020	.01820	-.10890
.799	.664	.00000	.01020	.01150	.02970	.01020	.01820	-.11710
.799	1.166	.00000	.01020	.01150	.02970	.01020	.01820	-.12540
.799	2.204	.02550	.01020	.01150	.02970	-.01530	.01820	-.12540
.799	3.246	.01700	.01020	.01150	.02970	-.00680	.01820	-.12540
.799	4.286	.01700	.01020	.01150	.02970	-.00680	.01820	-.12540
.799	6.353	.01700	.01020	.01150	.02970	-.00680	.01820	-.14180
.797	GRADIENT	.00389	.00000	.00000	.00000	-.00389	.00000	-.00503

RUN NO. 634/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.999	-6.153	.02550	.01020	.00000	.03960	-.01530	.03960	-.13360
.902	-2.033	.01700	.01020	.00000	.03960	-.00680	.03960	-.13360
.900	-.992	.00850	.01020	.00000	.03960	.00170	.03960	-.13360
.900	.096	.00850	.01020	.00000	.03960	.00170	.03960	-.13360
.899	.580	.00850	.01020	.00000	.03960	.00170	.03960	-.13360
.900	1.102	.01700	.01020	.01150	.03960	-.00680	.02810	-.13360
.899	2.146	.01700	.01020	.01150	.03960	-.00680	.02810	-.13360
.899	3.184	.01700	.01020	.01150	.03960	-.00680	.02810	-.13360
.899	4.225	.01700	.01020	.02300	.03960	-.00680	.01660	-.13360
.896	6.313	.00850	.01020	.01150	.03960	.00170	.02810	-.14180
	GRADIENT	.00095	.00000	.00364	.00000	-.00095	-.00364	-.00000

RUN NO. 627/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.951	-6.176	.00000	.01020	.01150	.01980	.01020	.00830	-.12540
.951	-2.041	.00000	.01020	.01150	.01980	.01020	.00830	-.12540
.951	-.992	.00000	.01020	.01150	.01980	.01020	.00830	-.13360
.950	.069	.00000	.01020	.00000	.01980	.01020	.01980	-.13360
.950	.564	.00000	.01020	.00000	.01980	.01020	.01980	-.13360
.950	1.097	.00000	.01020	.00000	.01980	.01020	.01980	-.13360
.950	2.146	.00000	.01020	.00000	.01980	.01020	.01980	-.13360
.950	3.184	.00000	.01020	.00000	.01980	.01020	.01980	-.13360
.951	4.226	.00000	.01020	.00000	.01980	.01020	.01980	-.13360
.950	6.315	.00000	.01020	.00000	.01980	.01020	.01980	-.13360
.947	GRADIENT	.00000	.00000	-.00190	.00000	.00000	.00190	-.00082

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO

LREF = 474.8100 INCHES YMRP = .0000 IN. YO

BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO

SCALE = .0500

ALPHA = 5.000 ELEVON = .000

AILRON = .000 BOFLAP = .000

SPDBRK = .000 RUDDER = .000

RN/L = 5.000

PARAMETRIC DATA

RUN NO. 621/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00									
MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL	
1.102	-6.064	.00000	.01020	.03450	.01980	.01020	-.01470	-.13360	
1.101	-1.961	.00000	.01020	.03450	.01980	.01020	-.01470	-.14180	
1.101	-.920	.00850	.01020	.03450	.01980	.00170	-.01470	-.14180	
1.100	.152	.02550	.01020	.02300	.01980	-.01530	-.00320	-.14180	
1.101	.649	.04250	.01020	.02300	.01980	-.01530	-.00320	-.14180	
1.101	1.167	.02550	.01020	.02300	.01980	-.02380	.00670	-.14180	
1.102	2.215	.03400	.01020	.02300	.01980	-.01530	-.00320	-.14180	
1.100	3.260	.02550	.01020	.02300	.02970	-.02380	.00670	-.14180	
1.099	4.295	.03400	.01020	.02300	.01980	-.00170	.00830	-.14180	
1.100	6.360	.00850	.01020	.01150	.01980	.00170	.00830	-.14180	
	GRADIENT	.00461	.00000	-.00191	.00139	-.00461	.00330	-.00000	

RUN NO. 613/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00									
MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL	
1.203	-6.173	.01700	.01020	.04600	.01980	-.00680	-.02620	-.12540	
1.204	-2.065	.01700	.01020	.03450	.01980	-.00680	-.01470	-.12540	
1.200	-1.017	.01700	.01020	.03450	.01980	-.00680	-.01470	-.12540	
1.203	.041	.02550	.01020	.03450	.00990	-.01530	-.02460	-.12540	
1.202	.553	.02550	.01020	.03450	.01980	-.01530	-.01470	-.12540	
1.204	1.083	.02550	.01020	.03450	.01980	-.02380	-.01470	-.12540	
1.202	2.123	.03400	.01020	.03450	.01980	-.03230	-.01470	-.12540	
1.204	3.166	.04250	.01020	.03450	.01980	-.04930	-.01470	-.12540	
1.201	4.215	.05950	.01020	.03450	.01980	-.00680	-.01470	-.12540	
1.200	6.312	.01700	.01020	.03450	.01980	-.00680	-.01470	-.12540	
	GRADIENT	.00642	.00000	.00000	.00031	-.00642	.00031	.00000	

RUN NO. 604/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00									
MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL	
1.403	-6.103	.00850	.01020	.01150	.01980	.00170	.00830	-.12540	
1.404	-1.978	.00850	.01020	.01150	.01980	.00170	.00830	-.12540	
1.403	-.932	.00850	.01020	.01150	.01980	.00170	.00830	-.12540	
1.405	.145	.00850	.01020	.01150	.01980	.00170	.00830	-.12540	
1.404	.638	.00850	.01020	.01150	.01980	.00170	.00830	-.12540	
1.403	1.161	.01700	.01020	.01150	.01980	-.00680	.00830	-.12540	
1.402	2.220	.01700	.01020	.01150	.01980	-.00680	.00830	-.12540	
1.404	3.275	.01700	.01020	.01150	.01980	-.00680	.00830	-.12540	
1.402	4.319	.01700	.01020	.01150	.01980	-.00680	.00830	-.12540	
1.400	6.398	.03400	.01020	.01150	.01980	-.00680	.00830	-.12540	
	GRADIENT	.00179	.00000	-.00000	.00000	-.00179	.00000	.00000	

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REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 BOFLAP = .000
SPOBRK = .000 RUDDER = .000
RN/L = 5.000

RUN NO. 647/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.600	-6.060	.03400	.01020	.00000	.04950	-.02380	.04950	-.11710
.600	-1.994	.02550	.01020	.00000	.04950	-.01530	.04950	-.13360
.599	-.971	.02550	.01020	.00000	.04950	-.01530	.04950	-.13360
.600	.062	.02550	.01020	.00000	.04950	-.01530	.04950	-.13360
.600	.559	.02550	.01020	.01150	.04950	-.01530	.03800	-.13360
.600	1.061	.00850	.01020	.01150	.01980	.00170	.00830	-.13360
.600	2.095	.00850	.01020	.01150	.02970	.00170	.01820	-.13360
.600	3.126	.00850	.01020	.01150	.02970	.00170	.01820	-.13360
.599	4.167	.00850	.01020	.01150	.01980	.00170	.00830	-.13360
.599	6.235	.00850	.01020	.01150	.00499	.00366	-.00729	-.00058
GRADIENT								

RUN NO. 635/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.899	-6.125	.02550	.01020	.01150	.02970	-.01530	.01820	-.12540
.900	-2.024	.01700	.01020	.01150	.00000	-.00680	-.01150	-.13360
.900	-.990	.01700	.01020	.01150	.00000	-.00680	-.01150	-.13360
.898	.055	.00850	.01020	.01150	.00000	.00170	-.01150	-.13360
.900	.558	.00000	.01020	.01150	.00000	.01020	-.01150	-.13360
.899	1.067	.00000	.01020	.01150	.00000	.01020	-.01150	-.13360
.899	2.119	.00000	.01020	.01150	.00000	.01020	-.01150	-.13360
.899	3.162	.00000	.01020	.01150	.00000	.01020	-.01150	-.13360
.898	4.220	.00000	.01020	.01150	.00000	.01020	-.01150	-.13360
.898	6.306	.01700	.01020	.01150	.00000	-.00680	-.01150	-.13360
GRADIENT								

RUN NO. 628/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.951	-6.159	.01700	.01020	.01150	.01980	-.00680	.00830	-.11710
.951	-2.045	.02550	.01020	.01150	.01980	-.01530	.00830	-.11710
.949	-1.005	.02550	.01020	.01150	.01980	-.01530	.00830	-.12540
.950	.046	.02550	.01020	.01150	.01980	-.01530	.00830	-.13360
.950	.553	.02550	.01020	.01150	.01980	-.01530	.00830	-.13360
.951	1.066	.02550	.01020	.01150	.01980	-.01530	.00830	-.13360
.949	2.120	.03400	.01020	.01150	.01980	-.02380	.00830	-.12540
.950	3.169	.03400	.01020	.01150	.01980	-.02380	.00830	-.12540
.950	4.229	.03400	.01020	.01150	.01980	-.02380	.00830	-.12540
.947	6.318	.01700	.01020	.01150	.02970	-.00680	.01820	-.13360
GRADIENT								

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(D2F074) (08 JUL 77)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN. X0	ALPHA	=	10.000	ELEVON	=	.000
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. Y0	AILRON	=	.000	BDF LAP	=	.000
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. Z0	SPDBRK	=	.000	RUDDER	=	.000
SCALE	=	.0500						RN/L	=	5.000			

PARAMETRIC DATA

RUN NO.	615/ 0	RN/L =	5.05	GRADIENT	INTERVAL =	-5.00/	5.00
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MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.201	-6.128	.0000	.02040	.04600	.01980	.02040	-.02620	-.11710
1.206	-2.044	.0000	.02040	.03450	.01980	.02040	-.01470	-.12540
1.202	-1.005	.0000	.02040	.03450	.01980	.02040	-.01470	-.12540
1.202	.046	.0000	.02040	.03450	.01980	.02040	-.01470	-.12540
1.201	.545	.0000	.01020	.03450	.01980	.01020	-.01470	-.12540
1.202	1.069	.0000	.01020	.04600	.01980	.01020	-.02620	-.12540
1.199	2.127	.0000	.01020	.04600	.01980	.01020	-.02620	-.12540
1.200	3.177	.0000	.01020	.04600	.01980	.01020	-.02620	-.12540
1.201	4.242	.0000	.01020	.04600	.01980	.01020	-.02620	-.13360
1.201	6.326	.00950	.01020	.04600	.01980	.00170	-.02620	-.13360
1.200	GRADIENT	.00000	-.00200	.00243	.00000	-.00200	-.00243	-.00085

RUN NO.	605/ 0	RN/L =	4.97	GRADIENT INTERVAL =	-5.00/	5.00
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0A145 TABULATED FORCE DATA

DATE 10 MAR 80

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(D2F075) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

ALPHA = .000
ELEVON = .000
BDFLAP = .000
RN/L = 5.000

PARAMETRIC DATA

BETA = .000
AILRON = .000
SPDBRK = .000

RUN NO.	648/ 0	RN/L = 5.01	GRADIENT INTERVAL = -5.00/ 5.00
MACH	RUDDER	ELV-LO	ELV-LI
.600	-14.960	.00000	.01020
.600	-10.718	.00000	.01020
.600	-4.969	.00000	.01020
.600	-2.426	.00000	.01020
.600	-.089	.00000	.01020
.600	2.505	.00000	.01020
.600	5.014	.00000	.01020
.600	10.019	.00000	.01020
.600	14.996	.00000	.01020
.600	18.125	.00000	.01020
.600	22.799	.00000	.01020
	GRADIENT	.00000	.00121
			DRHL
			-18.03200
			-12.98500
			-6.04640
			-2.95480
			-.10890
			3.05070
			6.10130
			12.14700
			18.07400
			21.74200
			27.11700
			1.21726

RUN NO.	636/ 0	RN/L = 4.98	GRADIENT INTERVAL = -5.00/ 5.00
MACH	RUDDER	ELV-LO	ELV-LI
.901	-14.993	.01700	.01020
.902	-10.762	.01700	.01020
.900	-4.939	.01700	.01020
.899	-2.442	.01700	.01020
.900	-.089	.01700	.01020
.900	2.522	.01700	.01020
.900	5.024	.01700	.01020
.901	10.011	.01700	.01020
.899	14.996	.01700	.01020
.900	18.116	.01700	.01020
.900	22.818	.01700	.01020
	GRADIENT	.00000	.00000
			DELRL
			-18.07000
			-13.03800
			-6.01000
			-2.97460
			-.10890
			3.07160
			6.11260
			12.13700
			18.07400
			21.73100
			27.13800
			1.21726

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

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(D2F075) (08 JUL 77)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN. XO	ALPHA	=	.000	BETA	=	.000
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. YO	ELEVON	=	.000	AIRLON	=	.000
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. ZO	BDFLAP	=	.000	SPDBRK	=	.000
SCALE	=	.0500						RN/L	=	5.000			

PARAMETRIC DATA

RUN NO.	629/ 0	RN/L = 5.03	GRADIENT INTERVAL = -5.00/ 5.00
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MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.952	-14.993	.03400	.01020	.01150	.02970	-.02380	.01820	-18.07000
.951	-10.745	.03400	.01020	.01150	.02970	-.02380	.01820	-13.01700
.953	-4.954	.03400	.01020	.01150	.02970	-.02380	.01820	-6.02820
.953	-2.434	.03400	.01020	.01150	.02970	-.02380	.01820	-2.96470
.951	-.116	.03400	.01020	.01150	.02970	-.02380	.01820	-.14180
.952	2.505	.03400	.01020	.01150	.02970	-.02380	.01820	3.05070
.952	5.024	.03400	.01020	.01150	.02970	-.02380	.01820	6.11260
.951	10.011	.03400	.01020	.01150	.02970	-.02380	.01820	12.13700
.951	15.022	.03400	.01020	.01150	.02970	-.02380	.01820	18.10500
.950	18.107	.03400	.01020	.01150	.02970	-.02380	.01820	21.72100
.951	22.827	.03400	.00000	.01150	.02970	-.03400	.01820	27.14900
GRADIENT		.00000	-.00000	-.00000	.00000	.00000	-.00000	-1.21727

RUN NO. 616/ 0 RN/L = 5.07

GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(D2F076) (08 JUL 77)

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DATE 10 MAR 80

REFERENCE DATA

SREF	=	2690.0000	SO.FT.	XMRP	=	1076.6800	IN. X0	ALTR	=	.000	AILRON	=	.000
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. Y0	ELEVON	=	.000	SPDBRK	=	.000
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. Z0	BDFLAP	=	.000			
SCALE	=	.0500						RN/L	=	5.000			

PARAMETRIC DATA

RUN NO.	549/ 0	RN/L =	5.00	GRADIENT	INTERVAL =	-5.00/	5.00	DELR	DRHL
RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-R1	DELL				
-15.010	.00000	.01020	.00000	.03960	.01020			.03960	-18.09000
-10.754	.00000	.01020	.00000	.03960	.01020			.03960	-13.02800
-4.932	.00000	.01020	.00000	.03960	.01020			.03960	-6.00090
-2.434	.00000	.01020	.00000	.03960	.01020			.03960	-2.96470
-1.103	.00000	.01020	.00000	.03960	.01020			.03960	-1.12540
2.513	.00000	.01020	.00000	.03960	.01020			.03960	3.06120
4.996	.00000	.01020	.00000	.04950	.01020			.04950	6.07880
10.003	.02550	.01020	.00000	.04950	.01530			.04950	12.12800
15.014	.02550	.01020	.00000	.04950	.01530			.04950	18.09500
18.125	.02550	.01020	.00000	.02970	.01530			.02970	21.74200
22.827	.02550	.01020	.00000	.02970	.01530			.02970	27.14900
	.00000	.00000	.00000	.00080	.00000			.00080	1.21705

RUN NO.	661/ 0	RN/L = 4.99	GRADIENT INTERVAL = -5.00/ 5.00	DELTA	DELTA	DELTA	DELTA
RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
-14.965	.02550	.01020	.01150	.01980	-.01530	.00830	-18.03800
-10.736	.02550	.01020	.01150	.01980	-.01530	.00830	-13.00600
-4.902	.02550	.01020	.01150	.01980	-.01530	.00830	-5.96450
-2.451	.02550	.01020	.01150	.01980	-.01530	.00830	-2.98450
-1.123	.02550	.01020	.01150	.01980	-.01530	.00830	-1.50000
2.488	.02550	.01020	.01150	.01980	-.01530	.00830	3.02970
5.014	.02550	.01020	.01150	.01980	-.01530	.00830	6.10130
10.003	.02550	.01020	.01150	.01980	-.01530	.00830	12.12800
15.014	.02550	.01020	.01150	.01980	-.01530	.00830	18.09500
18.107	.02550	.01020	.01150	.01980	-.01530	.00830	21.72100
22.827	.02550	.01020	.01150	.01980	-.01530	.00830	27.14900
GRADIENT	.00000	.00000	.03000	.00000	.00000	.00000	1.21728

DATE 10, MAR 80

OAI45 TABULATED FORCE DATA

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(02F076) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPDBRK = .000
 RN/L = 5.000

RUN NO. 637/ 0 RN/L = 4.98

GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.900	-14.976	.00000	.01020	.01150	.00990	.01020	-.00160	-18.05000
.900	-10.736	.00000	.01020	.00000	.00990	.01020	.00990	-13.00600
.902	-4.954	.00000	.01020	.00000	.00990	.01020	.00990	-6.02820
.900	-2.426	.00000	.01020	.00000	.00990	.01020	.00990	-2.95480
.900	.103	.00000	.01020	.02300	.00990	.01020	-.01310	-.12540
.900	2.513	.00000	.01020	.02300	.00990	.01020	-.01310	3.06120
.900	5.005	.00000	.01020	.02300	.00990	.01020	-.01310	6.09000
.900	10.019	.00000	.01020	.02300	.00990	.01020	-.01310	12.14700
.900	15.022	.00000	.01020	.01150	.00990	.01020	-.00160	18.10500
.900	18.107	.00000	.01020	.01150	.00990	.01020	-.00160	21.72100
.900	22.808	.00000	.01020	.01150	.00990	.01020	-.00160	27.12700
.900	GRADIENT	.00000	.00000	.00368	.00000	.00000	-.00368	1.21727

RUN NO. 630/ 0 RN/L = 5.03

GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.951	-14.965	.02550	.01020	.00000	.02970	-.01530	.02970	-18.03800
.951	-10.736	.02550	.01020	.00000	.02970	-.01530	.02970	-13.00600
.952	-4.961	.02550	.01020	.00000	.02970	-.01530	.02970	-6.03730
.952	-2.442	.02550	.01020	.00000	.02970	-.01530	.02970	-2.97460
.949	-.110	.02550	.01020	.00000	.02970	-.01530	.02970	-.13360
.950	2.488	.02550	.01020	.00000	.02970	-.01530	.02970	3.02970
.951	5.014	.02550	.01020	.00000	.02970	-.01530	.02970	6.10130
.951	10.011	.02550	.01020	.00000	.02970	-.01530	.02970	12.13700
.951	15.005	.02550	.01020	.00000	.02970	-.01530	.02970	18.08500
.950	18.107	.02550	.01020	.00000	.02970	-.01530	.02970	21.72100
.951	22.827	.02550	.01020	.00000	.03960	-.01530	.03960	27.14900
.951	GRADIENT	.00000	-.00000	.00000	-.00000	.00000	-.00000	1.21726

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0A145 TABULATED FORCE DATA

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(02F076) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDRBK = .000
RN/L = 5.000

RUN NO. 620/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.100	-14.993	.00850	.01020	.03450	.02970	.00170	.00480	-18.07000
1.103	-10.771	.00850	.01020	.03450	.02970	.00170	.00480	-13.04900
1.101	-4.947	.00850	.01020	.03450	.02970	.00170	.00480	-6.01910
1.102	-2.434	.00850	.01020	.03450	.02970	.00170	.00480	-2.96470
1.103	-1.103	.00850	.01020	.03450	.02970	.00170	.00480	-1.12540
1.101	2.513	.00850	.01020	.03450	.02970	.00170	.00480	3.06120
1.103	5.014	.00850	.01020	.03450	.02970	.00170	.00480	6.10130
1.101	10.019	.00850	.01020	.03450	.02970	.00170	.00480	12.14700
1.102	15.014	.00850	.01020	.03450	.02970	.00170	.00480	18.09500
1.103	18.116	.00850	.01020	.03450	.02970	.00170	.00480	21.73100
1.102	22.836	.00000	.01020	.03450	.02970	.01020	.00480	27.15900
1.103	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	1.21728

RUN NO. 617/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.203	-14.976	.03400	.01020	.04600	.01980	-.02380	-.02620	-18.05000
1.203	-10.762	.03400	.01020	.04600	.01980	-.02380	-.02620	-13.03800
1.204	-4.932	.03400	.01020	.04600	.01980	-.02380	-.02620	-6.00090
1.203	-2.426	.03400	.01020	.04600	.01980	-.02380	-.02620	-2.95480
1.203	-1.110	.03400	.01020	.04600	.01980	-.02380	-.02620	-1.13360
1.203	2.522	.03400	.02040	.04600	.01980	-.01360	-.02620	3.07160
1.202	5.005	.03400	.01020	.04600	.01980	-.02380	-.02620	6.09000
1.203	10.043	.03400	.01020	.04600	.01980	-.02380	-.02620	12.17500
1.202	15.014	.03400	.01020	.04600	.01980	-.02380	-.02620	18.09500
1.204	18.107	.03400	.01020	.04600	.01980	-.02380	-.02620	21.72100
1.203	22.827	.03400	.01020	.04600	.01980	-.02380	-.02620	27.14900
1.203	GRADIENT	.00000	.00126	.00000	.00000	.00126	.00000	1.21726

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO

LREF = 474.8100 INCHES YMRP = .0000 IN. YO

BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO

SCALE = .0500

PARAMETRIC DATA									
ALPHA = 5.000 BETA = .000									
ELEVON = .000 AILRON = .000									
BDFLAP = .000 SPOBRK = .000									
RN/L = 5.000									
GRADIENT INTERVAL = -5.00/ 5.00									
RUN NO.	606/ 0	RN/L = 4.98	GRADIENT	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR
MACH									DRHL
1.407				.00850	.01020	.01150	.01980	.00170	.00830
1.407				.00850	.01020	.01150	.01980	.00170	.00830
1.403				.00850	.01020	.01150	.01980	.00170	.00830
1.404				.00850	.01020	.01150	.01980	.00170	.00830
1.403				.00850	.01020	.01150	.01980	.00170	.00830
1.403				.00850	.01020	.01150	.01980	.00170	.00830
1.403				.00850	.01020	.01150	.01980	.00170	.00830
1.402				.00850	.01020	.01150	.01980	.00170	.00830
1.403				.00850	.01020	.01150	.01980	.00170	.00830
1.403				.00850	.01020	.01150	.01980	.00170	.00830
1.403				.00850	.01020	.01150	.01980	.00170	.00830
GRADIENT				.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO

LREF = 474.8100 INCHES YMRP = .0000 IN. YO

BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO

SCALE = .0500

PARAMETRIC DATA									
ALPHA = 10.000 BETA = .000									
ELEVON = .000 AILRON = .000									
BDFLAP = .000 SPOBRK = .000									
RN/L = 5.000									
GRADIENT INTERVAL = -5.00/ 5.00									
RUN NO.	650/ 0	RN/L = 4.99	GRADIENT	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR
MACH									DRHL
.600				.01700	.01020	.00000	.02970	-.00580	.02970
.600				.01700	.01020	.00000	.02970	-.00580	.02970
.598				.01700	.01020	.00000	.02970	-.00580	.02970
.598				.01700	.01020	.00000	.02970	-.00580	.02970
.598				.01700	.01020	.00000	.02970	-.00580	.02970
.597				.01700	.01020	.00000	.02970	-.00580	.02970
.597				.01700	.01020	.00000	.02970	-.00580	.02970
.597				.01700	.01020	.00000	.02970	-.00580	.02970
.598				.01700	.01020	.00000	.02970	-.00580	.02970
GRADIENT				.00000	.00000	.00000	.00000	.00000	.00000

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(02F077) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 10.000 BETA = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELEVON = .000 AILRON = .000
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO BDFLAP = .000 SPDBRK = .000
SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 638/ 0 RN/L = 4.97

GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.900	-14.960	.00850	.01020	.01150	.00990	.00170	-.00160	-18.03200
.900	-10.736	.00850	.01020	.01150	.00990	.00170	-.00160	-13.00600
.900	-4.947	.00850	.01020	.01150	.00990	.00170	-.00160	-6.01910
.898	-2.434	.00000	.01020	.01150	.00990	.01020	-.00160	-2.96470
.900	-1.103	.00850	.01020	.01150	.00990	.00170	-.00160	-.12540
.900	2.522	.00850	.01020	.01150	.00990	.00170	-.00160	3.07160
.900	4.996	.00850	.01020	.01150	.00990	.00170	-.00160	6.07880
.900	10.003	.00850	.01020	.01150	.00990	.00170	-.00160	12.12800
.901	15.014	.00850	.01020	.01150	.00990	.00170	-.00160	18.09500
.898	18.125	.00850	.01020	.01150	.00990	.00170	-.00160	21.74200
.901	22.808	.00850	.01020	.01150	.00990	.00170	-.00160	27.12700
	GRADIENT	.00034	.00000	.00000	-.00000	-.00034	-.00000	1.21704

RUN NO. 631/ 0 RN/L = 5.01

GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.951	-14.965	.01700	.01020	.01150	.03960	-.00680	.02810	-18.03800
.952	-10.736	.02550	.01020	.01150	.03960	-.01530	.02810	-13.00600
.952	-4.961	.02550	.01020	.01150	.03960	-.01530	.02810	-6.03730
.951	-2.434	.02550	.01020	.01150	.03960	-.01530	.02810	-2.96470
.950	-1.110	.02550	.01020	.01150	.03960	-.01530	.02810	-.13360
.952	2.522	.01700	.01020	.01150	.03960	-.00680	.02810	3.07160
.950	4.996	.02550	.01020	.01150	.03960	-.01530	.02810	6.07880
.952	10.019	.02550	.01020	.01150	.03960	-.01530	.02810	12.14700
.951	15.014	.02550	.01020	.01150	.03960	-.01530	.02810	18.09500
.951	18.098	.02550	.01020	.01150	.03960	-.01530	.02810	21.71000
.950	22.818	.01700	.01020	.01150	.03960	-.00680	.02810	27.13800
	GRADIENT	-.00035	-.00000	.00000	.00000	.00035	.00000	1.21703

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(02F077) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPOBRK = .000
RN/L = 5.000

RUN NO. 618/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.202	-14.965	.01700	.01020	.04600	.01980	-.00680	-.02620	-18.03800
1.203	-10.736	.01700	.01020	.03450	.02970	-.00680	-.00480	-13.00600
1.201	-4.947	.01700	.01020	.04600	.02970	-.00680	-.01630	-6.01910
1.204	-2.426	.01700	.01020	.04600	.01980	-.00680	-.02620	-2.95480
1.204	-1.110	.01700	.01020	.04600	.02970	-.00680	-.01630	-1.13360
1.203	2.531	.01700	.01020	.04600	.02970	-.00680	-.01630	3.08210
1.202	5.014	.01700	.01020	.03450	.02970	-.00680	-.00480	6.10130
1.203	10.043	.01700	.01020	.03450	.01980	-.00680	-.01470	12.17500
1.203	15.014	.01700	.01020	.04600	.02970	-.00680	-.01630	18.09500
1.202	18.107	.01700	.01020	.03450	.01980	-.00680	-.01470	21.72100
1.203	22.827	.01700	.01020	.04600	.01980	-.00680	-.02620	27.14900
	GRADIENT	.00000	-.00000	.00000	.00038	.00000	.00038	1.21726

RUN NO. 607/ 0 RN/L = 4.97

GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.402	-14.970	.00000	.01020	.01150	.01980	.01020	.00830	-18.04400
1.401	-10.745	.00000	.01020	.01150	.01980	.01020	.00830	-13.01700
1.402	-4.947	.00000	.01020	.01150	.01980	.01020	.00830	-6.01910
1.402	-2.451	.00000	.01020	.01150	.01980	.01020	.00830	-2.98450
1.403	-1.103	.00000	.01020	.01150	.01980	.01020	.00830	-1.2540
1.403	2.496	.00000	.01020	.01150	.01980	.01020	.00830	3.04020
1.404	5.014	.00000	.01020	.01150	.01980	.01020	.00830	6.10130
1.404	10.027	.00000	.01020	.01150	.01980	.01020	.00830	12.15600
1.403	15.014	.00850	.01020	.01150	.01980	.00170	.00830	18.09500
1.403	18.107	.00850	.01020	.01150	.01980	.00170	.00830	21.72100
1.403	22.827	.00850	.01020	.01150	.01980	.00170	.00830	27.14900
	GRADIENT	.00000	.00000	-.00000	.00000	.00000	-.00000	1.21727

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0A145 TABULATED FORCE DATA

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(02F078) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 15.000 BETA = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELEVON = .000 AILRON = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO BDFLAP = .000 SPDBRK = .000
 SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 651/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.598	-14.970	.01700	.01020	.00000	.02970	-.00680	.02970	-18.04400
.599	-10.782	.01700	.01020	.00000	.02970	-.00680	.02970	-13.03800
.598	-4.954	.01700	.01020	.00000	.02970	-.00680	.02970	-6.02820
.598	-2.434	.02550	.01020	.00000	.02970	-.01530	.02970	-2.96470
.598	-1.110	.01700	.01020	.01150	.02970	-.00680	.01820	-1.1360
.598	2.513	.01700	.01020	.01150	.02970	-.00680	.01820	3.06120
.598	5.024	.01700	.01020	.00000	.02970	-.00680	.02970	6.11260
.598	10.003	.01700	.01020	.00000	.02970	-.00680	.02970	12.12800
.598	15.022	.01700	.01020	.00000	.02970	-.00680	.02970	18.10500
.598	18.107	.01700	.01020	.00000	.02970	-.00680	.02970	21.72100
.598	22.818	.01700	.01020	.00000	.02970	-.00680	.02970	27.13800
.598	GRADIENT	-.00033	.00000	.00184	.00000	.00033	-.00184	1.21728

RUN NO. 639/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.900	-14.970	.01700	.01020	.01150	.00990	-.00680	-.00160	-18.04400
.900	-10.780	.02550	.01020	.01150	.00990	-.01530	-.00160	-13.06000
.900	-4.954	.02550	.01020	.01150	.00990	-.01530	-.00160	-6.02820
.901	-2.426	.01700	.01020	.01150	.00990	-.00680	-.00160	-2.95480
.899	-.096	.01700	.01020	.01150	.00990	-.00680	-.00160	-1.1710
.900	2.488	.01700	.01020	.01150	.00990	-.00680	-.00160	3.02970
.899	5.024	.01700	.01020	.01150	.00990	-.00680	-.00160	6.11260
.901	10.011	.01700	.01020	.01150	.00990	-.00680	-.00160	12.13700
.899	15.014	.01700	.01020	.01150	.00990	-.00680	-.00160	18.09500
.900	18.107	.01700	.01020	.01150	.00990	-.00680	-.00160	21.72100
.900	22.836	.01700	.01020	.01150	.00990	-.00680	-.00160	27.15900
.900	GRADIENT	-.00104	-.00000	-.00000	.00000	.00104	.00000	1.21727

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0A145 TABULATED FORCE DATA

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(D2F078) (08 JUL 77)

REFERENCE DATA

[illegible]

PARAMETRIC DATA

RUN NO.	619/ 0	RN/L = 5.04	GRADIENT INTERVAL = -5.00/ 5.00
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[illegible]

RUN NO.	608/ 0	RN/L =	4.96	GRADIENT INTERVAL =	-5.00/ 5.00
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	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
MACH							
RUDDER							
-14.976	.01700	.01020	.01150	.01980	-.00580	.00830	-18.05000
1.395	.01700	.01020	.01150	.01980	-.00580	.00830	-12.99500
-10.727	.01700	.01020	.01150	.01980	-.00580	.00830	-6.01000
1.394	.01700	.01020	.01150	.01980	-.00580	.00830	-2.95480
-4.939	.01700	.01020	.01150	.01980	-.00580	.00830	-1.13360
1.396	.01700	.01020	.01150	.01980	-.00580	.00830	3.05070
-2.426	.01700	.01020	.01150	.01980	-.00580	.00830	6.10130
1.395	.01700	.01020	.01150	.01980	-.00580	.00830	12.14700
2.505	.01700	.01020	.01150	.01980	-.00580	.00830	18.08500
5.014	.01700	.01020	.01150	.01980	-.00580	.00830	21.75200
10.019	.01700	.01020	.01150	.01980	-.00580	.00830	27.15900
15.005	.01700	.01020	.01150	.01980	-.00580	.00830	1.21728
18.134	.01700	.01020	.01150	.01980	-.00580	.00830	
22.836	.01700	.01020	.01150	.01980	-.00580	.00830	
GRADIENT	.00000	-.00000	-.00000	.00000	.00000	-.00000	

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(02F079) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPOBRK = .000 RUDDER = -5.000
 RN/L = 5.000

RUN NO. 652/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.598	-5.064	.01700	.01020	.00000	.02970	-.00680	.02970	-6.00090
.600	-.070	.01700	.01020	.01150	.02970	-.00680	.01820	-5.93730
.597	2.440	.01700	.01020	.00000	.02970	-.00680	.02970	-6.04640
.596	4.903	.01700	.01020	.00000	.02970	-.00680	.02970	-6.01910
.598	6.992	.00850	.01020	.01150	.02970	.00170	.01820	-6.01910
.597	8.044	.00850	.01020	.00000	.02970	.00170	.02970	-6.03730
.598	10.100	.00000	.01020	.00000	.02970	.01020	.02970	-5.98270
.597	12.122	.01700	.01020	.00000	.02970	-.00680	.02970	-5.96450
.598	15.144	.01700	.01020	.00000	.02970	-.00680	.02970	-6.03730
GRADIENT		-.00000	.00000	-.00232	.00000	.00000	.00232	-.01653

RUN NO. 640/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.900	-5.118	.00850	.01020	.01150	.00990	.00170	.00160	-6.01000
.899	-.104	.01700	.01020	.01150	.00990	-.00680	-.00160	-6.00090
.900	2.447	.01700	.01020	.01150	.00990	-.00680	-.00160	-6.00090
.899	4.994	.02550	.01020	.01150	.00990	-.01530	-.00160	-6.01000
.898	7.128	.01700	.01020	.00000	.00990	-.00680	.00990	-6.00090
.898	8.069	.01700	.01020	.01150	.00990	-.00680	-.00160	-6.01000
.899	10.117	.00850	.01020	.00000	.00990	.00170	.00990	-6.03730
.901	12.151	.00850	.01020	.01150	.00990	.00170	-.00160	-6.02820
.900	15.204	.01700	.01020	.01150	.00990	-.00680	-.00160	-6.00090
GRADIENT		.00167	-.00000	-.00000	-.00000	-.00167	.00000	-.00178

RUN NO. 624/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.950	-5.060	.01700	.01020	.02300	.02970	-.00680	.00670	-6.02820
.952	-.016	.00000	.01020	.02300	.01980	.01020	-.00320	-6.01910
.951	2.439	.00000	.01020	.02300	.01980	.01020	-.00320	-6.02820
.952	4.921	.00850	.01020	.02300	.01980	.01020	-.00320	-6.01000
.950	6.959	.00000	.01020	.02300	.01980	.01020	-.00320	-6.03730
.951	7.992	.00000	.01020	.01150	.01980	.01020	.00830	-6.03730
.949	10.017	.00000	.01020	.02300	.01980	.01020	-.00320	-6.02820
.951	12.024	.00000	.01020	.02300	.01980	.01020	-.00320	-6.04640
.950	15.008	.00850	.01020	.01150	.01980	.00170	.00830	-6.06450
GRADIENT		.00172	.00000	.00000	-.00000	-.00172	.00000	.00185

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPDBRK = .000 RUDDER = -5.000
 RN/L = 5.000

RUN NO. 610/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.203	-5.094	.00000	.01020	.02300	.00000	.01020	-.02300	-6.04640
1.204	-.036	.00000	.01020	.02300	.00000	.01020	-.02300	-6.04640
1.200	2.553	-.01010	.01020	.00000	.00000	.02030	.00000	-6.04640
1.198	5.040	.00000	.01020	.02300	.00000	.01020	-.02300	-6.03730
1.198	7.095	.00000	.01020	.02300	.00000	.01020	-.02300	-6.02820
1.199	8.144	.00000	.01020	.01150	.00000	.01020	-.01150	-6.01910
1.197	10.103	-.01010	.01020	.01150	.00000	.02030	-.01150	-6.01000
1.198	12.096	-.01010	.01020	.00000	.00000	.02030	.00000	-5.99180
1.199	15.027	-.01010	.02040	.00000	.00000	.03050	.00000	-6.00090
	GRADIENT	-.00390	-.00000	-.00888	.00000	.00390	.00888	.00000

RUN NO. 601/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.396	-5.000	.00850	.02040	.00000	.00990	.01190	.00990	-6.01000
1.400	.053	.00850	.02040	.00000	.01980	.01190	.01980	-6.01910
1.403	2.545	.00850	.02040	.00000	.00990	.01190	.00990	-6.00090
1.399	5.087	.00000	.02040	.00000	.01980	.02040	.01980	-6.00090
1.399	7.175	.00000	.02040	.00000	.01980	.02040	.01980	-6.00090
1.400	8.202	.00000	.01020	.00000	.01980	.01020	.01980	-6.00090
1.397	10.250	.00000	.02040	.01150	.01980	.02040	.00830	-5.98270
1.397	12.290	.00000	.01020	.00000	.01980	.01020	.01980	-5.87360
1.397	15.272	-.01010	.01020	.00000	.01980	.02030	.01980	-6.01910
	GRADIENT	-.00000	.00000	.00000	-.00397	-.00000	-.00397	.00730

(02F080) (08 JUL 77)

AMES 118-1-11 OAIW5A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDRK = .000 RUDDER = -5.000
RN/L = 5.000

RUN NO. 653/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.598	-6.051	.00850	.01020	.00000	.02970	.00170	.02970	-5.96450
.597	-1.917	.00850	.01020	.00000	.02970	.00170	.02970	-6.00090
.598	-.872	.00850	.01020	.00000	.02970	.00170	.02970	-6.05550
.598	.006	.00850	.01020	.00000	.02970	.00170	.02970	-6.04640
.598	.499	.00850	.01020	.00000	.02970	.00170	.02970	-6.01000
.597	1.032	.00850	.01020	.00000	.02970	.00170	.02970	-6.01000
.597	2.102	.00850	.01020	.00000	.02970	.00170	.02970	-6.01000
.598	3.148	.00850	.01020	.00000	.02970	.00170	.02970	-6.02820
.597	4.179	.00850	.01020	.00000	.02970	.00170	.02970	-6.01000
.598	6.238	.00850	.01020	.00000	.02970	.00170	.02970	-6.01910
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00198

RUN NO. 641/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.902	-6.112	.00850	.01020	.01150	.00990	.00170	-.00160	-6.00090
.901	-1.952	.00850	.01020	.01150	.00990	.00170	-.00160	-6.01000
.900	-.902	.00850	.01020	.01150	.00990	.00170	-.00160	-6.00090
.900	.158	.00850	.01020	.01150	.00990	.00170	-.00160	-6.00090
.900	.638	.00850	.01020	.01150	.00990	.00170	-.00160	-6.00090
.900	1.163	.00850	.01020	.01150	.00990	.00170	-.00160	-6.00090
.899	2.215	.00850	.01020	.01150	.00990	.00170	-.00160	-6.01000
.899	3.264	.00850	.01020	.01150	.00990	.00170	-.00160	-6.01000
.898	4.302	.00850	.01020	.01150	.00990	.00170	-.00160	-6.02820
.895	6.375	.00850	.01020	.01150	.00990	.00170	-.00160	-6.03730
	GRADIENT	.00000	.00000	.00000	.00000	.00000	-.00000	-.00290

RUN NO. 625/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.950	-6.137	.00000	.01020	.01150	.01980	.01020	.00830	-6.01000
.952	-2.039	.00850	.01020	.01150	.01980	.00170	.00830	-6.01910
.951	-.988	.00850	.01020	.01150	.01980	.00170	.00830	-6.02820
.950	.072	.01700	.01020	.01150	.01980	-.00680	.00830	-6.04640
.950	.576	.01700	.01020	.01150	.01980	-.00680	.00830	-6.03730
.950	1.109	.01700	.01020	.01150	.01980	-.00680	.00830	-6.05550
.950	2.151	.01700	.01020	.01150	.01980	-.00680	.00830	-6.04640
.949	3.185	.01700	.01020	.00000	.01980	-.00680	.01980	-6.04640
.950	4.225	.02550	.01020	.00000	.01980	-.01530	.01980	-6.05550
.947	6.313	.02550	.01020	.00000	.01980	-.01530	.01980	-6.06450
	GRADIENT	.00229	.00000	-.00200	.00000	-.00229	.00200	-.00503

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(02F080) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPOBRK = .000 RUDDER = -5.000
 RN/L = 5.000

RUN NO. 611/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.204	-6.098	.0000	.02040	.01150	.00000	.02040	-.01150	-6.01000
1.204	-1.950	.00000	.02040	.00000	.00000	.02040	.00000	-6.01000
1.201	-.910	.00000	.01020	.00000	.00000	.01020	.00000	-6.02820
1.202	.155	.00000	.01020	.00000	.00000	.01020	.00000	-6.02820
1.200	.653	.00000	.01020	.00000	.00000	.01020	.00000	-6.01910
1.203	1.163	.00000	.01020	.00000	.00000	.01020	.00000	-6.02820
1.201	2.212	.00850	.01020	.00000	.00000	.00680	.00000	-6.01910
1.201	3.258	.01700	.01020	.00000	.00000	.00000	.00000	-6.02820
1.200	4.298	.00000	.01020	.00000	.00000	.01020	.00000	-6.03730
1.198	6.367	.00000	.01020	.00000	.00000	.01020	.00000	-6.03730
	GRADIENT	.00150	-.00102	.00000	.00000	-.00252	.00000	-.00258

RUN NO. 602/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.404	-6.144	.01700	.01020	.01150	.01980	-.00680	.00830	-6.01000
1.405	-1.968	.01700	.01020	.01150	.01980	-.00680	.00830	-6.01910
1.403	-.924	.00000	.01020	.01150	.01980	.01020	.00830	-6.02820
1.402	.156	.00000	.01020	.01150	.01980	.01020	.00830	-6.02820
1.403	.648	.00000	.01020	.01150	.01980	.01020	.00830	-6.02820
1.402	1.169	.00850	.01020	.00000	.01980	.00170	.01980	-6.01910
1.403	2.226	.00850	.01020	.00000	.01980	.00170	.01980	-6.00090
1.402	3.277	.00850	.01020	.00000	.01980	.00170	.01980	-6.00090
1.403	4.326	.01700	.01020	.00000	.01980	-.00680	.01980	-6.08270
1.400	6.404	.03400	.01020	.00000	.01980	-.02380	.01980	-6.05550
	GRADIENT	.00098	.00000	-.00243	.00000	-.00098	.00243	-.00365

0A145 TABULATED FORCE DATA

AMES 118-1-11 0A145A 01

(025081) (08 JUL 77)

DATE 10 MAR 80

REFERENCE DATA

=	SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN. X0	ALPHA	=	5.0000	ELEVON	=	.0000
=	LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. Y0	AIRLON	=	.0000	BOFLAP	=	.0000
=	BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. Z0	SPDBRK	=	.0000	RUDDER	=	-22.60
=	SCALE	=	.0500						RN/L	=	5.0000			

PARAMETRIC DATA

RAIN NO	654/ 0	RN/I =	4.98	GRADIENT INTERVAL =	-5.00/	5.00
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MACH	BETA	ELV-L0	ELV-L1	ELV-R0	ELV-R1	DELL	DELR	DRHL
.598	-5.048	.00850	.01020	.00000	.02970	.00170	.02970	-27.05800
.598	-1.896	.00850	.01020	.00000	.02970	.00170	.02970	-27.05800
.598	-.853	.00850	.01020	.00000	.02970	.00170	.02970	-27.05800
.598	.041	.00850	.01020	.00000	.03960	.00170	.03960	-27.05800
.598	.533	.00850	.01020	.00000	.03960	.00170	.03960	-27.05800
.598	1.057	.00850	.01020	.00000	.03960	.00170	.03960	-27.05800
.598	2.124	.00850	.01020	.00000	.03960	.00170	.03960	-27.05800
.598	3.168	.00850	.01020	.00000	.03960	.01020	.03960	-27.04900
.598	4.196	.00000	.01020	.00000	.03960	.01020	.03960	-27.04900
.597	6.252	.00000	.01020	.00000	.03960	.00092	.00165	.00097
.597	6.252	.00000	.00000	.00000	.00165	.00092	.00165	.00097

BMN NO	642/ 0	BN/L	=	4.97	GRADIENT INTERVAL	=	-5.00/	5.00
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[illegible]

ROW NO	COL NO	BN/1	5.05	GRADIENT	INTERVAL	-5.00/	5.00
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MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.205	-6.054	.00000	.01020	.00000	.00000	.01020	.00000	-27.04900
1.204	-1.929	.01700	.01020	.00000	.00000	-.00680	.00000	-27.04900
1.202	-.893	.01700	.01020	.00000	.00000	-.00680	.00000	-27.04900
1.202	.092	.02550	.02040	.00000	.00000	-.00510	.00000	-27.05800
1.203	.652	.03400	.01020	.00000	.00000	-.02380	.00000	-27.05800
1.203	1.133	.04250	.01020	.00000	.00000	-.03230	.00000	-27.05800
1.201	2.137	.00850	.01020	.00000	.00000	.00170	.00000	-27.05800
1.201	3.174	.00850	.01020	.00000	.00000	.00170	.00000	-27.05800
1.202	4.215	.01700	.01020	.00000	.00000	-.00680	.00000	-27.05800
1.199	6.313	.05100	.01020	.00000	.00000	-.04080	.00000	-27.05800
	GRADIENT	-.00139	-.00034	.00000	.00000	.00105	.00000	-.00152

(D2F081) (08 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. X0 ALPHA = 5.000 ELEVON = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. Y0 AILRON = .000 BOFLAP = .000
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. Z0 SPOBRK = .000 RUDDER = -22.800
SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 603/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.400	-6.102	.03400	.01020	.01150	.01980	-.02380	.00830	-27.04900
1.403	-1.957	.03400	.01020	.01150	.01980	-.02380	.00830	-27.04000
1.403	-9.910	.02550	.01020	.00000	.01980	-.01530	.01980	-27.04000
1.402	.164	.03400	.01020	.00000	.01980	-.02380	.01980	-27.04000
1.403	.663	.03400	.01020	.00000	.01980	-.02380	.01980	-27.04000
1.403	1.186	.03400	.01020	.00000	.01980	-.02380	.01980	-27.04000
1.403	2.239	.03400	.01020	.00000	.01980	-.02380	.01980	-27.04000
1.403	3.285	.03400	.01020	.00000	.01980	-.02380	.01980	-27.04000
1.402	4.332	.04250	.01020	.00000	.01980	-.03230	.01980	-27.04000
1.402	6.410	.05100	.01020	.00000	.01980	-.04080	.01980	-27.04000
1.402	GRADIENT	.00144	.00000	-.00114	.00000	-.00144	.00114	-.00000

(D2F082) (08 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. X0 ALPHA = 5.000 ELEVON = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. Y0 AILRON = .000 BOFLAP = -11.700
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. Z0 SPOBRK = .000 RUDDER = .000
SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 662/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.397	-5.052	.02550	.01020	.01150	.02970	-.01530	.01820	-11.710
.397	-.099	.01700	.01020	.01150	.02970	-.00680	.01820	-.12540
.397	2.419	.00850	.01020	.01150	.02970	.00170	.01820	-.12540
.397	4.925	.00000	.01020	.01150	.02970	.01020	.01820	-.12540
.396	6.963	.00850	.01020	.01150	.02970	.00170	.01820	-.12540
.396	7.966	.04250	.01020	.01150	.02970	-.03230	.01820	-.12540
.396	10.013	.04250	.01020	.01150	.02970	-.03230	.01820	-.12540
.397	15.116	.03400	.01020	.01150	.02970	-.02380	.01820	-.12540
.397	GRADIENT	-.00338	.00000	.00000	.00000	.00338	.00000	.00000

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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(02F082) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

BETA = .000 ELEVON = .000
AILRON = .000 BOFLAP = -11.700
SPDBRK = .000 RUDDER = .000
RN/L = 5.000

PARAMETRIC DATA

RUN NO. 657/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.999	-4.913	.00000	.01020	.00000	.03960	.01020	.03960	-.12540
.998	.006	-.01010	.01020	.00000	.02970	.02030	.02970	-.12540
.998	2.457	-.02020	.01020	.00000	.02970	.03040	.02970	-.12540
.997	4.962	-.03030	.01020	.00000	.02970	.04050	.02970	-.12540
.996	7.021	.00850	.01020	.00000	.02970	.00170	.02970	-.11710
.997	8.044	.00850	.01020	.00000	.02970	.00170	.02970	-.11710
.997	10.096	.00850	.01020	.00000	.02970	.00170	.02970	-.11710
.998	15.145	.00850	.01020	.01150	.02970	.00170	.02970	-.13360
	GRADIENT	-.00304	.00000	.00000	-.00103	.00304	-.00103	-.00000

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(02F083) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

ALPHA = 19.000 ELEVON = .000
AILRON = .000 BOFLAP = -11.700
SPDBRK = .000 RUDDER = .000
RN/L = 5.000

PARAMETRIC DATA

RUN NO. 663/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.397	-5.007	.03400	.01020	.00000	.02970	-.02380	.02970	-.12540
.396	-3.993	.03400	.01020	.00000	.02970	-.02380	.02970	-.12540
.396	-1.920	.03400	.01020	.00000	.02970	-.02380	.02970	-.12540
.396	-.884	.03400	.01020	.01150	.02970	-.02380	.01820	-.12540
.397	.144	.03400	.01020	.01150	.02970	-.02380	.01820	-.12540
.397	1.173	.03400	.01020	.01150	.02970	-.02380	.01820	-.12540
.397	2.191	.03400	.01020	.01150	.02970	-.02380	.01820	-.12540
.397	4.255	.02550	.01020	.01150	.02970	-.01530	.01820	-.12540
.397	5.287	.02550	.01020	.01150	.02970	-.01530	.01820	-.13360
	GRADIENT	-.00079	-.00000	.00160	.00000	.00079	-.00160	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO

LREF = 474.8100 INCHES YMRP = .0000 IN. YO

BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO

SCALE = .0500

PARAMETRIC DATA

ALPHA = 19.000 ELEVON = .000

AILRON = .000 BOFLAP = -11.700

SPDBRK = .000 RUDDER = .000

RN/L = 5.000

RUN NO. 658/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.597	-5.019	.0000	.01020	.01150	.03960	.01020	.02810	-.05960
.598	-4.000	.0000	.01020	.01150	.02970	.01020	.01820	-.05140
.597	-1.936	.0000	.01020	.01150	.02970	.01020	.01820	-.06790
.598	-.896	.0000	.01020	.01150	.02970	.01020	.01820	-.06790
.598	.138	.0000	.01020	.01150	.02970	.01020	.01820	-.06790
.599	1.175	.0000	.01020	.01150	.02970	.01020	.01820	-.06790
.599	2.201	.0000	.01020	.01150	.02970	.01020	.01820	-.06790
.599	4.276	.0000	.01020	.01150	.02970	.01020	.01820	-.07610
.599	5.307	.00850	.01020	.01150	.02970	.00170	.01820	-.07610
.598	GRADIENT	.00000	-.00000	-.00000	.00000	-.00000	-.00000	-.00227

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REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO

LREF = 474.8100 INCHES YMRP = .0000 IN. YO

BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO

SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000

AILRON = .000 BOFLAP = .000

SPDBRK = 7.500 RUDDER = .000

RN/L = 5.000

RUN NO. 906/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.599	-5.219	.00850	.02040	.00000	.02970	.01190	.02970	-.14180
.598	-.240	.00850	.02040	.00000	.02970	.01190	.02970	-.14180
.597	2.284	.00850	.02040	.01150	.02970	.01190	.01820	-.14180
.601	4.818	.01700	.02040	.00000	.02970	.00340	.02970	-.13360
.598	7.859	.01700	.02040	.00000	.02970	.00340	.02970	-.13360
.596	9.960	.01700	.02040	.00000	.02970	.00340	.02970	-.13360
.596	11.968	.01700	.02040	.00000	.02970	.00340	.02970	-.13360
.599	14.976	.01700	.02040	.00000	.03960	.00340	.03960	-.13360
.598	16.975	.01700	.01020	.00000	.03960	-.00680	.03960	-.13360
.597	18.969	.02550	.02040	.01150	.03960	-.00510	.02810	-.13360
.597	GRADIENT	.00168	-.00000	-.00000	.00000	-.00168	.00000	.00162

(02F084) (08 JUL 77)

0A145 TABULATED FORCE DATA

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REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPOBRK = 7.500 RUDDER = .000
RN/L = 5.000

RUN NO. 904/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.799	-5.257	.0000	.0204	.0000	.0396	.0204	.0396	-.15000
.802	-.228	.0000	.0204	.0000	.0396	.0204	.0396	-.15000
.797	2.285	.0000	.0204	.0000	.0396	.0204	.0396	-.15000
.798	4.818	.0000	.0204	.0000	.0396	.0204	.0396	-.15000
.799	7.935	.0000	.0204	.0000	.0396	.0204	.0396	-.15000
.799	9.988	.0000	.0204	.0000	.0396	.0204	.0396	-.15000
.798	11.987	.0000	.0204	.0000	.0396	.0204	.0396	-.15000
.799	15.038	.0000	.0204	.0000	.0396	.0204	.0396	-.15000
.798	17.032	.0085	.0204	.0115	.0396	.0119	.0281	-.20460
.798	18.998	.0000	.0102	.0230	.0396	.0102	.0166	-.29210
	GRADIENT	.0000	-.0000	.0000	-.0000	-.0000	-.0000	.00000

RUN NO. 901/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.900	-5.281	.0000	.0204	.0115	.0495	.0204	.0380	-.16090
.899	-.261	.0000	.0204	.0115	.0396	.0204	.0281	-.16090
.899	2.287	.0000	.0204	.0115	.0495	.0204	.0380	-.16090
.900	4.844	.0000	.0204	.0115	.0495	.0204	.0380	-.15000
.903	7.961	.0000	.0204	.0115	.0495	.0204	.0380	-.15000
.899	9.988	.0000	.0204	.0115	.0495	.0204	.0380	-.15000
.900	12.006	.0000	.0204	.0115	.0495	.0204	.0380	-.15000
.903	15.065	.0085	.0204	.0115	.0495	.0119	.0380	-.15000
.901	17.038	.0085	.0204	.0115	.0495	.0119	.0380	-.15000
.902	19.016	.0170	.0204	.0115	.0495	.0034	.0380	-.15000
	GRADIENT	.0000	.0000	-.0000	.00194	.0000	.00194	.00214

RUN NO. 899/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.953	-5.294	.0255	.0204	.0115	.0297	-.0051	.0182	-.12540
.949	-.273	.0170	.0204	.0115	.0297	.0034	.0182	-.12540
.951	2.304	.0255	.0204	.0115	.0297	-.0051	.0182	-.13360
.951	4.859	.0170	.0204	.0115	.0297	.0034	.0182	-.13360
.952	7.988	.0255	.0204	.0115	.0396	-.0051	.0281	-.14180
.950	10.022	.0170	.0204	.0115	.0396	.0034	.0281	-.14180
.952	12.038	.0255	.0204	.0115	.0396	-.0051	.0281	-.14180
.951	15.065	.0255	.0204	.0115	.0396	.0034	.0281	-.14180
.946	17.046	.0255	.0204	.0115	.0396	-.0051	.0281	-.14180
.950	18.994	.0340	.0102	.0115	.0396	-.0238	.0281	-.15000
	GRADIENT	.0000	-.0000	.0000	-.0000	-.0000	.0000	-.00160

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(D2F085) (08 JUL 77)

REFERENCE DATA

=	SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN.	XO
=	LRF	=	474.8100	INCHES	YMRP	=	.0000	IN.	YO
=	BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN.	ZO
=	SCALE	=	.0500						

PARAMETRIC DATA

BETA	=	2.000	ELEVON	=	.000
AILRON	=	.000	BOFLAP	=	.000
SPDBRK	=	7.500	RUDDER	=	.000
RN/L	=	5.000			

RUN NO. 907/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.597	-5.251	.01700	.02040	.00000	.03960	.00340	.03960	-1.3360
.600	-.252	.01700	.02040	.00000	.03960	.00340	.03960	-1.3360
.598	2.309	.01700	.02040	.00000	.03960	.00340	.03960	-1.3360
.597	4.929	.01700	.02040	.00000	.03960	.00340	.03960	-1.3360
.598	8.026	.01700	.02040	.00000	.03960	.00340	.03960	-1.3360
.597	10.057	.01700	.02040	.00000	.03960	.00340	.03960	-1.3360
.597	12.075	.02550	.02040	.00000	.03960	-.00510	.03960	-1.3360
.597	15.063	.01700	.02040	.00000	.03960	.00340	.03960	-1.3360
.596	17.047	.01700	.02040	.00000	.03960	.00340	.03960	-1.3360
.597	18.985	.02550	.01020	.01150	.08910	-.01530	.07760	-1.3360
GRADIENT		-.00000	-.00000	.00000	-.00000	-.00000	-.00000	-.00000

RUN NO.	905/ 0	RN/L = 4.99	GRADIENT INTERVAL = -5.00/ 5.00
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MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.799	-5.272	.0000	.0240	.01150	.03960	.0240	.02810	-.25930
.797	-.268	.0000	.0240	.01150	.03960	.0240	.02810	-.25930
.798	2.290	.0000	.0240	.01150	.03960	.0240	.02810	-.25930
.798	4.935	.0000	.0240	.01150	.03960	.0240	.02810	-.25930
.799	8.062	.0000	.0240	.01150	.03960	.0240	.02810	-.25930
.800	10.105	.0000	.0240	.00000	.03960	.0240	.03960	-.24840
.798	12.085	.0000	.0240	.01150	.04950	.0240	.03800	-.24840
.798	15.111	.0000	.0240	.01150	.03960	.0240	.02810	-.27020
.801	17.085	.0000	.0240	.01150	.04950	.0240	.03800	-.28110
.800	19.038	.0000	.0240	.02300	.04950	.0240	.02650	-.27020
CRADIENT		.0000	-.00000	-.00000	-.00000	-.00000	-.00000	-.00000

RUN NC.	902/ 0	RN/L = 4.98	GRADIENT INTERVAL = -5.00/ 5.00
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[illegible]

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(D2F085) (08 JUL 77)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN.	X0	BETA	=	2.000	ELEVON	=	.000
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN.	Y0	ALTRON	=	.000	BDFLAP	=	.000
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN.	Z0	SPDBRK	=	7.500	RUDDER	=	.000
SCALE	=	.0500							RN/L	=	5.000			

PARAMETRIC DATA

RUN NO.	900/ 0	RN/L =	4.97	GRADIENT	INTERVAL =	-5.00/	5.00/
ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL		
-5.322	.01700	.02040	.01150	.03960	.00340		
-.263	.01700	.02040	.01150	.03960	.00340		
2.301	.01700	.02040	.01150	.03960	.00340		
4.932	.01700	.02040	.01150	.03960	.00340		
8.061	.01700	.02040	.01150	.03960	.00340		
10.129	.01700	.02040	.01150	.03960	.00340		
12.137	.01700	.02040	.01150	.03960	.00340		
15.160	.02550	.02040	.01150	.03960	-.00510		
17.095	.03400	.02040	.01150	.03960	-.01360		
19.061	.01700	.02040	.01150	.04950	.00340		
GRADIENT	-.00000	.00000	-.00000	-.00000	.00000		

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1075.6800	IN. X0	ALPHA	=	5.0000	BETA	=	.0000
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. Y0	ELCVON	=	.0000	AILRON	=	.0000
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. Z0	BDFLAP	=	.0000	SPDBRK	=	7.5000
SCALE	=	.0500						RN/L	=	5.0000			

PARAMETRIC DATA

RUN NO.	908/ 0	RN/L =	5.00	GRADIENT INTERVAL =	-5.00/	5.00	DEF
RUDDER	ELV-L0	ELV-L1	ELV-R0	ELV-R1	DELL		
-10.762	.02550	.02040	.00000	.01980	-.00510		
-4.939	.02550	.02040	.00000	.01980	-.00510		
-2.434	.02550	.02040	.00000	.01980	-.00510		
-1.103	.02550	.02040	.00000	.01980	-.00510		
2.496	.02550	.02040	.00000	.01980	-.00510		
5.014	.02550	.02040	.00000	.01980	-.00510		
10.011	.02550	.02040	.00000	.01980	-.00510		
GRADIENT	.00000	.00000	.00000	.00000	-.00000		

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OAI45 TABULATED FORCE DATA

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(02F086) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 903/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.901	-10.771	.00000	.02040	.01150	.02970	.02040	.01820	-13.04900
.901	-4.961	.00000	.02040	.01150	.02970	.02040	.01820	-6.03730
.900	-2.459	.00000	.02040	.01150	.02970	.02040	.01820	-2.99440
.901	-1.110	.00000	.02040	.01150	.03960	.02040	.02810	-1.13360
.901	2.522	.00000	.02040	.01150	.02970	.02040	.01820	3.07160
.901	5.014	.00000	.02040	.01150	.02970	.02040	.01820	6.10130
.901	10.011	.00000	.02040	.01150	.02970	.02040	.01820	12.13700
	GRADIENT	.00000	-.00000	.00000	.00037	-.00000	.00037	1.21725

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BOFLAP = .000 SPOBRK = 7.500
 RN/L = 5.000

PARAMETRIC DATA

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(02F087) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 705/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.599	-5.021	.03400	.03060	.01150	.01980	-.00340	.00830	-.12540
.600	-.730	.03400	.03060	.01150	.01980	-.00340	.00830	-.10890
.598	-.026	.03400	.03060	.01150	.01980	-.00340	.00830	-.11710
.598	2.464	.00000	.03060	.01150	.01980	.03060	.00830	-.12540
.598	4.875	.00000	.03060	.01150	.01980	.03060	.00830	-.12540
.598	6.905	.00000	.03060	.01150	.01980	.03060	.00830	-.12540
.598	7.928	.00000	.03060	.01150	.01980	.03060	.00830	-.12540
.598	10.080	.00000	.03060	.01150	.01980	.03060	.00830	-.14180
.598	12.074	.02550	.03060	.01150	.01980	.00510	.00830	-.10890
.598	15.094	.02550	.03060	.01150	.01980	.00510	.00830	-.14180
	GRADIENT	-.00704	.00000	.00000	.00000	.00704	.00000	-.00272

BETA = .000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPOBRK = 15.000 RUDDER = .000
 RN/L = 5.000

PARAMETRIC DATA

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OAI45 TABULATED FORCE DATA

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(D2F087) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BOFLAP = .000
SPDBRK = 15.000 RUDDER = .000
RN/L = 5.000

RUN NO. 699/ 0 RN/L = 4.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.798	-5.054	-.01010	.03060	.01150	.00990	.04070	-.00160	-.15000
.801	-.045	-.02020	.03060	.01150	.00990	.03080	-.00160	-.15000
.798	2.501	-.02020	.03060	.01150	.00990	.05080	-.00160	-.15000
.799	5.043	-.02020	.03060	.01150	.00990	.05080	-.00160	-.15000
.801	7.163	.01700	.03060	.00000	.00990	.01360	.00990	-.15000
.797	8.158	.00850	.03060	.00000	.00990	.02210	.00990	-.16090
.799	10.163	.01700	.03060	.01150	.00990	.01360	-.00160	-.15000
.799	12.191	.01700	.03060	.01150	.00990	.01360	-.00160	-.15000
.803	15.244	.01700	.03060	.01150	.00990	.01360	-.00160	-.15000
GRADIENT		.00000	.00000	-.00000	.00000	-.00000	.00000	.00000

RUN NO. 693/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.900	-5.101	.01700	.03060	.00000	.00990	.01360	.00990	-.09250
.902	-.097	.01700	.03060	.00000	.00990	.01360	.00990	-.07610
.900	2.455	.00850	.03060	.00000	.00990	.02210	.00990	-.05140
.901	4.988	.01700	.03060	.00000	.00990	.01360	.00990	-.05960
.902	7.071	.00850	.03060	.00000	.00990	.02210	.00990	-.03500
.901	8.097	.00850	.03060	.00000	.00990	.02210	.00990	-.02680
.900	10.128	.01700	.03060	.01150	.00990	.01360	-.00160	-.01040
.902	12.172	.00850	.03060	.00000	.00990	.02210	.00990	.02250
.904	15.196	.02550	.03060	.01150	.00990	.00510	-.00160	.06360
GRADIENT		-.00000	.00000	.00000	.00000	.00000	.00000	.00325

RUN NO. 680/ 0 RN/L = 4.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.952	-4.960	.00850	.03060	.01150	.01980	.02210	.00830	-.15000
.951	.083	.01700	.03060	.01150	.02970	.01360	.01820	-.14180
.949	2.656	.01700	.03060	.01150	.01980	.01360	.00830	-.09250
.946	5.202	.00000	.03060	.01150	.01980	.03060	.00830	-.05960
.945	7.290	.00850	.03060	.01150	.01980	.02210	.00830	-.05140
.947	8.261	.01700	.03060	.01150	.01980	.01360	.00830	-.05140
.950	10.352	.01700	.03060	.01150	.01980	.01360	.00830	.08000
.943	12.388	.03400	.03060	.01150	.02970	-.00340	.01820	-.08430
.939	15.425	.01700	.02040	.01150	.01400	.00340	.00830	-.12540
GRADIENT		.00119	-.00000	-.00000	.00027	-.00119	.00027	.00673

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AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6E03 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 15.000 RUDDER = .000
RN/L = 5.000

RUN NO. 679/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.199	-4.855	.01700	.04080	.01150	.00990	.02380	-.00160	-.15000
1.196	.082	.00850	.04080	.01150	.00990	.03230	-.00160	-.15000
1.202	2.679	.00000	.03060	.01150	.00990	.03060	-.00160	-.15000
1.197	5.253	.00850	.04080	.01150	.00990	.03230	-.00160	-.15000
1.196	7.191	.00000	.04080	.01150	.00990	.04080	-.00160	-.15000
1.198	8.218	.00000	.03060	.01150	.00990	.03060	-.00160	-.15000
1.198	10.353	.00000	.04080	.00000	.00990	.04080	-.00160	-.15000
1.195	12.408	-.02020	.04080	.01150	.00990	.06100	-.00160	-.15000
1.186	15.444	.00000	.03060	.01150	.00990	.03060	-.00160	-.15000
	GRADIENT	-.00219	-.00118	.00000	.00000	.00101	-.00000	-.00000

RUN NO. 666/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.402	-4.098	.01700	.03060	.01150	.02970	.01360	.01820	-.15000
1.406	-.074	.00850	.03060	.01150	.02970	.02210	.01820	-.15000
1.401	2.457	.00000	.03060	.01150	.02970	.03060	.01820	-.15000
1.399	5.049	.00850	.03060	.01150	.02970	.02210	.01820	-.15000
1.399	7.093	.00000	.04080	.00000	.02970	.04080	.02970	-.15000
1.403	8.128	.00850	.04080	.01150	.02970	.03230	.01820	-.14180
1.399	10.176	.00000	.04080	.01150	.02970	.04080	.01820	-.14180
1.402	12.197	.00000	.04080	.01150	.02970	.04080	.01820	-.14180
1.400	15.229	.01700	.04080	.01150	.02970	.02380	.01820	-.14180
	GRADIENT	-.00255	.00000	.00000	.00000	.00255	.00000	.00000

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0A145 TABULATED FORCE DATA

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AMES 118-1-11 0A145A 01

(D2F088) (08 JUL 77)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN. X0	ALPHA	=	5.000	ELEVON	=	.000
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. Y0	AILRON	=	.000	BOFLAP	=	.000
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. Z0	SPDBRK	=	15.000	RUDDER	=	.000
SCALE	=	.0500						RN/I	=	5.000			

PARAMETRIC DATA

RUN NO.	BET	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
	-6.112	.02550	.03060	.01150	.02970	.00510	.01820	.06360
	-1.964	.03400	.03060	.01150	.01980	-.00340	.00830	-.05960
	-.919	.03400	.03060	.01150	.02970	-.00340	.01820	-.10070
	.025	.03400	.03060	.01150	.02970	-.00340	.01820	-.10890
	.538	.03400	.03060	.01150	.02970	-.00340	.01820	-.10890
	1.067	.03400	.03060	.01150	.01980	-.00340	.03830	-.11710
	2.140	.03400	.03060	.01150	.02970	-.00340	.01820	-.13360
	3.190	.03400	.03060	.01150	.02970	-.00340	.01820	-.14180
	4.226	.03400	.03060	.01150	.02970	-.00340	.01820	-.15000
	6.307	.03400	.03060	.01150	.02970	-.00340	.01820	-.17190
GRADIENT		.00000	.00000	.00000	.00098	-.00000	.00098	-.01306

RUN NO.	678/ 0	RN/L	= 4.99	GRADIENT	INTERVAL	= -5.00/	5.00	
BETA		ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
-6.191		.00850	.04080	.01150	.00990	.03230	-.00160	-.15000
-2.054		.00850	.04080	.00000	.00990	.03230	.00990	-.15000
-1.016		.01700	.04080	.01150	.00990	.02380	-.00160	-.15000
.110		.00000	.04080	.00000	.00990	.04080	.00990	-.15000
.689		.00000	.04080	.00000	.00990	.04080	.00990	-.15000
1.167		.00000	.04080	.00000	.00990	.04080	.00990	-.15000
2.197		.01700	.04080	.00000	.00990	.02380	.00990	-.15000
3.241		.05100	.04080	.00000	.00990	-.01020	.00990	-.15000
4.285		.06800	.04080	.00000	.00990	-.02720	.00990	-.15000
6.357		.00850	.04080	.00000	.00990	.03230	.00990	-.16090
GRADIENT		.00906	.00000	-.00076	.00000	-.00906	.00076	-.00000

RUN NO.	667/ 0	RN/L =	4.96	GRADIENT INTERVAL =	-5.00/	5.00
BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR
-6.115	.00850	.04080	.01150	.02970	.03230	.01820
-1.971	.00850	.04080	.01150	.02970	.03230	.01820
- .913	.00850	.04080	.01150	.02970	.03230	.01820
.148	.00850	.04080	.01150	.02970	.03230	.01820
.624	.00850	.04080	.01150	.02970	.03230	.01820
1.158	.00850	.04080	.01150	.02970	.03230	.01820
2.218	.00850	.04080	.01150	.02970	.03230	.01820
3.272	.00850	.04080	.01150	.02970	.03230	.01820
4.321	.00850	.04080	.01150	.02970	.03230	.01820
6.405	.01700	.04080	.00000	.02970	.02380	.02970
GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000
						.00068

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0A145 TABULATED FORCE DATA

AMES 118-1-11 0A145A 01

(D2F089) (08 JUL 77)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.
LREF	=	474.8100	INCHES
BREF	=	936.6800	INCHES
SCALE	=	.0500	

XMRP	=	1075.6800	IN.	X0
YMRP	=	.0000	IN.	Y0
ZMRP	=	375.0000	IN.	Z0

PARAMETRIC DATA

ALPHA	=	.000	BETA	=	.000
ELEVON	=	.000	AILRON	=	.000
BDFLAP	=	.000	SPDBRK	=	15.000
RN/L	=	5.000			

PARAM NO	700/0	BN/1	4.95	GRADIENT INTERVAL	-5.00/	5.00
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MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.597	-14.970	.0850	.0306	.01150	.00990	.02210	-.00160	-18.04400
.598	-10.691	.0850	.0306	.01150	.00990	.02210	-.00160	-12.95200
.597	-4.961	.0850	.0306	.01150	.00990	.02210	-.00160	-6.03730
.597	-2.418	.02550	.03060	.03000	.00990	.00510	.00990	-2.94490
.597	.597	.02550	.03060	.01150	.00990	.00510	-.00160	-.15000
.597	.123	.02550	.03060	.03060	.00990	.00510	-.00160	3.05070
.597	2.505	.02550	.03060	.01150	.00990	.00510	-.00160	6.11260
.598	5.024	.02550	.03060	.03060	.00990	.00510	-.00160	12.15600
.597	10.027	.02550	.03060	.01150	.00990	.00510	-.00160	18.11600
.597	15.031	.02550	.03060	.01150	.00990	.00510	-.00160	21.76200
.596	16.143	.02550	.03060	.01150	.00990	.00510	-.00160	27.15900
.597	22.836	.02550	.03060	.01150	.00990	.00510	-.00160	1.21726
GRADIENT		.00207	.00000	.00044	.00000	-.00207	-.00044	

RUN NO. 694 / 0 RN/L = 4.92

MACH	RUDDER	ELV-L0	ELV-L1	ELV-R0	ELV-R1	DELL	DELR	DRHL
.800	-14.9F5	.0850	.02040	.0150	.0090	.02190	-.00160	-18.03800
.798	-10.7 J	.0850	.03060	.0150	.0090	.02210	-.00160	-13.06000
.799	-4.947	.0850	.03060	.0150	.0090	.02210	-.00160	-6.01910
.799	-2.418	.0850	.02040	.0150	.0090	.02190	-.00160	-2.94490
.798	-.103	.0850	.03060	.0150	.0090	.02210	-.00160	-.12540
.799	2.496	.0850	.03060	.0150	.0090	.02210	-.00160	3.04020
.800	5.024	.0850	.03060	.0150	.0090	.02210	-.00160	6.11260
.799	10.003	.0850	.03060	.0150	.0090	.02210	-.00160	12.12800
.798	15.199	.0850	.03060	.0150	.0090	.02210	-.00160	18.31300
.799	18.161	.0850	.03060	.0150	.0090	.02210	-.00160	21.78300
.798	22.827	.0850	.03060	.0150	.0090	.02210	-.00160	27.14900
	GRADIENT	.00000	.00039	-.00000	-.00000	.00039	.00000	-1.21727

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

(02F089) (08 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2630.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = .000 BETA = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELEVON = .000 AILRON = .000
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO BOFLAP = .000 SPOBRK = 15.000
SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 688/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.900	-14.955	.01700	.03060	-.02140	.00990	.01360	.03130	-18.02600
.899	-10.736	.01700	.03060	.01150	.00990	.01360	-.00160	-13.00600
.901	-4.961	.01700	.03060	.01150	.00990	.01360	-.00160	-6.03730
.900	-2.442	.01700	.03060	.01150	.00990	.01360	-.00160	-2.97460
.899	-1.116	.01700	.03060	.01150	.00990	.01360	-.00160	-1.14180
.902	2.513	.01700	.03060	.01150	.00990	.01360	-.00160	3.06120
.900	5.005	.01700	.03060	.01150	.00990	.01360	-.00160	6.09000
.899	10.019	.01700	.03060	.01150	.00990	.01360	-.00160	12.14700
.901	14.996	.01700	.03060	.01150	.00990	.01360	-.00160	18.07400
.900	18.107	.01700	.03060	.01150	.00990	.01360	-.00160	21.72100
.899	22.836	.01700	.03060	.01150	.00990	.01360	-.00160	27.15900
	GRADIENT	.00000	-.00000	-.00000	-.00000	-.00000	.00000	1.21727

RUN NO. 685/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.950	-14.965	.00000	.03060	.02300	.00990	.03060	-.01310	-18.03800
.951	-10.762	.00000	.03060	.01150	.00990	.03060	-.00160	-13.03800
.952	-4.947	.00000	.03060	.01150	.00990	.03060	-.00160	-6.01910
.952	-2.451	.00000	.03060	.01150	.00990	.03060	-.00160	-2.98450
.951	-1.116	.00000	.03060	.01150	.00990	.03060	-.00160	-1.14180
.951	2.488	.00000	.03060	.01150	.00990	.03060	-.00160	3.02970
.950	5.024	.00000	.03060	.01150	.00990	.03060	-.00160	6.11260
.950	10.027	.00000	.03060	.01150	.00990	.03060	-.00160	12.15600
.951	15.005	.00000	.03060	.01150	.00990	.03060	-.00160	18.08500
.949	18.107	.00000	.03060	.01150	.00990	.03060	-.00160	21.72100
.950	22.836	.00000	.03060	.01150	.00990	.03060	-.00160	27.15900
	GRADIENT	.00000	-.00000	.00000	.00000	-.00000	.00000	1.21727

DATE 10 MAR 80

QAI45 TABULATED FORCE DATA

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AMES 118-1-11 QAI45A 01

(02F089) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = .000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 15.000
RN/L = 5.000

RUN NO. 673/ 0 RN/L = 5.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.200	-14.965	.0000	.04080	.01150	.00990	.04080	-.00160	-18.03800
1.199	-10.771	.0000	.04080	.01150	.00990	.04080	-.00160	-13.04900
1.201	-4.947	.0000	.04080	.01150	.00990	.04080	-.00160	-6.01910
1.201	-2.426	.0000	.04080	.01150	.00990	.04080	-.00160	-2.95480
1.200	-.141	.0000	.04080	.01150	.00990	.04080	-.00160	-.17190
1.200	2.531	.0000	.04080	.00000	.00990	.04080	.00990	3.08210
1.200	5.005	.0000	.04080	.01150	.00990	.04080	-.00160	6.09000
1.199	9.987	.0000	.04080	.01150	.00990	.04080	-.00160	12.10800
1.200	15.014	.0000	.04080	.01150	.00990	.04080	-.00160	18.09500
1.199	18.116	.0000	.04080	.00000	.00990	.04080	.00990	21.73100
1.197	22.846	.0000	.04080	.01150	.00990	.04080	-.00160	27.17000
	GRADIENT	.00000	.00000	-.00142	.00000	.00000	.00142	1.21726

RUN NO. 670/ 0 RN/L = 4.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.404	-14.970	.0000	.03060	.01150	.01980	.03060	.00830	-18.04400
1.404	-10.736	.01700	.03060	.01150	.01980	.01360	.00830	-13.00600
1.404	-4.954	.01700	.03060	.00000	.01980	.01360	.01980	-6.02820
1.403	-2.434	.01700	.03060	.00000	.01980	.01360	.00830	-2.96470
1.403	-.141	.03400	.03060	.00000	.01980	-.00340	.01980	-.17190
1.403	2.522	.04250	.03060	.01150	.01980	.01190	.00830	3.07160
1.403	5.014	.04250	.03060	.01150	.01980	-.01190	.00830	6.10130
1.404	10.003	.04250	.04080	.01150	.01980	-.00170	.00830	12.12800
1.403	15.031	.04250	.03060	.00000	.00990	-.01190	.00990	18.11600
1.402	18.116	.03400	.03060	.00000	.01980	-.00340	.01980	21.73100
1.402	22.818	.03400	.03060	.00000	.01980	-.00340	.01980	27.13800
	GRADIENT	.00376	.00000	.00097	.00000	-.00376	-.00097	1.21725

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(02F090) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPDBRK = 15.000
 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 702/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.598	-14.960	.00850	.03060	.01150	.00990	.02210	-.00160	-18.03200
.598	-10.754	.00850	.03060	.01150	.00990	.02210	-.00160	-13.02800
.597	-4.939	.00850	.03060	.01150	.00990	.02210	-.00160	-6.01000
.597	-2.426	.00850	.03060	.01150	.00990	.02210	-.00160	-2.95480
.597	-.096	.00850	.03060	.01150	.00990	.02210	-.00160	-.11710
.597	2.406	.00850	.03060	.01150	.00990	.02210	-.00160	3.04020
.597	5.105	.00850	.03060	.01150	.00990	.02210	-.00160	6.09000
.597	10.019	.00850	.03060	.01150	.00990	.02210	-.00160	12.14700
.597	15.031	.00850	.03060	.01150	.00990	.02210	-.00160	18.11600
.598	16.103	.00850	.03060	.01150	.00990	.02210	-.00160	21.76200
.597	22.836	.00850	.03060	.01150	.00990	.02210	-.00160	27.15900
GRADIENT		.00000	.00000	.00000	.00000	-.00000	.00000	1.21728

RUN NO. 696/ 0 RN/L = 4.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.799	-14.960	.01700	.03060	.01150	.00990	.01360	-.00160	-18.03200
.799	-10.736	.01700	.03060	.01150	.00990	.01360	-.00160	-13.00600
.800	-2.442	.01700	.03060	.00000	.00990	.01360	.00990	-2.97460
.799	-1.316	.01700	.03060	.01150	.00990	.01360	-.00160	-1.60330
.799	-.123	.01700	.03060	.00000	.00990	.01360	.00990	-.15000
.800	2.496	.01700	.03060	.01150	.00990	.01360	-.00160	3.04020
.799	5.014	.01700	.03060	.00000	.00990	.01360	.00990	6.10130
.799	10.011	.01700	.03060	.01150	.00990	.01360	-.00160	12.13700
.799	15.005	.01700	.03060	.01150	.00990	.01360	-.00160	18.08500
.799	18.125	.01700	.03060	.01150	.00990	.01360	-.00160	21.74200
.800	22.818	.01700	.03060	.01150	.00990	.01360	-.00160	27.13800
GRADIENT		-.00000	-.00000	.00160	.00000	-.00000	-.00160	1.21794

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

PAGE 1468

(D2F090) (08 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPDBRK = 15.000
 RN/L = 5.000

RUN NO. 690/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.900	-14.965	.0000	.03060	.01150	.00990	.03060	-.00160	-18.03800
.900	-10.754	.0000	.03060	.01150	.00990	.03060	-.00160	-13.02800
.902	-4.924	.0000	.03060	.01150	.00990	.03060	-.00160	-5.99180
.900	-2.451	.0000	.03060	.01150	.00990	.03060	-.00160	-2.98450
.900	-1.03	.0000	.03060	.01150	.00990	.03060	-.00160	-1.2540
.900	2.496	.0000	.03060	.00000	.00990	.03060	.00990	3.04020
.899	5.014	.0000	.03060	.01150	.00990	.03060	-.00160	6.10130
.899	10.011	.00850	.03060	.01150	.00990	.02210	-.00160	12.13700
.899	15.014	.00850	.03060	.01150	.00990	.02210	-.00160	18.09500
.900	18.134	.01700	.03060	.01150	.00990	.01360	-.00160	21.75200
.900	22.846	.01700	.03060	.01150	.00990	.01360	-.00160	27.17000
	GRADIENT	.00000	.00000	-.00142	.00000	.00000	.00142	1.21728

RUN NO. 684/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.951	-14.970	.00850	.02040	.01150	.00990	.01190	-.00160	-18.04400
.951	-10.745	.00850	.02040	.01150	.00990	.01190	-.00160	-13.01700
.951	-4.932	.00000	.02040	.01150	.00990	.02040	-.00160	-6.00090
.950	-2.451	.00000	.02040	.01150	.00990	.02040	-.00160	-2.98450
.951	-.056	.00000	.02040	.01150	.00990	.02040	-.00160	-.06790
.951	2.496	.00000	.03060	.01150	.00990	.03060	-.00160	3.04020
.952	5.005	.00000	.03060	.01150	.00990	.03060	-.00160	6.09000
.951	10.011	.00000	.03060	.01150	.00990	.03060	-.00160	12.13700
.949	15.005	.00850	.03060	.01150	.00990	.02210	-.00160	18.08500
.950	18.125	.00850	.03060	.01150	.00990	.02210	-.00160	21.74200
.950	22.836	.00850	.03060	.01150	.00990	.02210	-.00160	27.15900
	GRADIENT	.00000	.00125	-.00000	.00000	.00125	.00000	1.21728

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

PAGE 1469

(02F090) (08 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 BETA = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELEVON = .000 AILRON = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO BDFLAP = .000 SPOBRK = 15.000
 SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 676/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.198	-14.970	.01700	.04080	.01150	.00990	.02380	-.00160	-18.04400
1.198	-10.771	.01700	.04080	.01150	.00990	.02380	-.00160	-13.04900
1.200	-4.947	.01700	.04080	.01150	.00990	.02380	-.00160	-6.01910
1.201	-2.442	.01700	.04080	.01150	.00990	.02380	-.00160	-2.97460
1.199	-1.132	.01700	.04080	.00000	.00990	.02380	.00990	-1.16090
1.200	2.505	.01700	.04080	.00000	.00990	.02380	.00990	3.05070
1.200	4.996	.01700	.04080	.00000	.00990	.02380	.00990	6.07880
1.199	10.019	.01700	.04080	.00000	.00990	.02380	.00990	12.14700
1.200	15.022	.01700	.04080	.00000	.00990	.02380	.00990	18.10500
1.199	18.125	.01700	.04080	.00000	.00990	.02380	.00990	21.74200
1.200	22.846	.01700	.04080	.00000	.00990	.02380	.00990	27.17000
	GRADIENT	.00000	-.00000	-.00138	.00000	.00000	.00138	1.21704

RUN NO. 669/ 0 RN/L = 4.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.403	-14.976	.00000	.03060	.03450	.01980	.03060	-.01470	-18.05000
1.402	-10.727	.00000	.03060	.03450	.01980	.03060	-.01470	-12.99500
1.401	-4.924	.00000	.03060	.03450	.01980	.03060	-.01470	-5.99180
1.403	-2.451	.00000	.03060	.01150	.01980	.03060	.00830	-2.98450
1.403	-.41	.00000	.03060	.01150	.01980	.03060	.00830	-1.7190
1.403	2.488	.00000	.03060	.01150	.01980	.03060	.00830	3.02970
1.403	5.014	.00000	.03060	.01150	.01980	.03060	.00830	6.10130
1.403	10.011	.00000	.03060	.00000	.01980	.03060	.01980	12.13700
1.404	15.005	.00000	.03060	.00000	.01980	.03060	.01980	18.08500
1.403	18.143	.00000	.03060	.00000	.01980	.03060	.01980	21.76200
1.403	22.836	.00000	.03060	.01150	.01980	.03060	.00830	27.15900
	GRADIENT	.00000	.00000	-.00280	.00000	.00000	.00280	1.21728

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

PAGE 1470

AMES 118-1-11 0A145A 01

(D2F091) (08 JUL 77)

REFERENCE DATA

=	SREF	=	2690.0000	SO.FT.	XMRP	=	1076.6800	IN. X0
=	LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. Y0
=	BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. Z0
=	SCALE	=	.0500					

PARAMETRIC DATA

ALPHA	=	10.000	BETA	=	.000
ELEVON	=	.000	ATLIRON	=	.000
BDFLAP	=	.000	SPDBRK	=	15.000
RN/L	=	5.000			

RUN NO.	701/ 0	RN/L	GRADIENT	INTERVAL	=	-5.00/	5.00	
RUDDER		ELV-L0	ELV-L1	ELV-R0	ELV-R1	DELL	DELR	DRHL
-14.993		.00850	.03060	.01150	.00990	.02210	-.00160	-18.07000
-10.745		.00850	.03060	.01150	.00990	.02210	-.00160	-13.01700
-4.939		.00850	.03060	.00000	.00990	.02210	.00990	-6.01000
-2.418		.00850	.03060	.01150	.00990	.02210	-.00160	-2.94490
-1.141		.00850	.03060	.01150	.00990	.02210	-.00160	-1.17190
2.522		.00850	.03060	.01150	.00990	.02210	-.00160	3.07160
5.024		.00850	.03060	.01150	.00990	.02210	-.00160	6.11260
10.011		.00850	.03060	.01150	.00990	.02210	-.00160	12.13700
15.014		.00850	.03060	.01150	.00990	.02210	-.00160	18.09500
18.125		.00850	.03060	.01150	.00990	.02210	-.00160	21.74200
22.836		.00850	.03060	.01150	.00990	.02210	-.00160	27.15900
GRADIENT		.00000	-.00000	.00140	.00000	-.00000	-.00140	1.21726

RUN NO.	695/ 0	RN/L =	4.93	GRADIENT	INTERVAL =	-5.00/	5.00	
RUDDER		ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	ORHL
-14.960		.01700	.03060	.01150	.00990	.01360	-.00160	-18.03200
-10.754		.01700	.03060	.00000	.00990	.01360	.00990	-13.02800
-4.951		.01700	.03060	.00000	.00990	.01360	.00990	-6.03730
-2.434		.01700	.03060	.00000	.00990	.01360	.00990	-2.96470
		.01700	.03060	.00000	.00990	.01360	.00990	-1.15000
-1.123		.01700	.03060	.01150	.00990	.01360	-.00160	3.06120
2.513		.01700	.03060	.01150	.00990	.01360	-.00160	6.10130
5.014		.01700	.03060	.01150	.00990	.01360	-.00160	12.20400
10.067		.01700	.03060	.01150	.00990	.01360	-.00160	18.07400
14.996		.01700	.03060	.01150	.00990	.01360	-.00160	21.73100
18.116		.01700	.03060	.01150	.00990	.01360	-.00160	27.14900
22.827		.02550	.03060	.01150	.00990	.00510	-.00160	1.21727
GRADIENT		.00000	.00000	.03141	.00000	.00000	-.00141	

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

(DEF091) (08 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ. FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

ALPHA = 10.000 BETA = .000
ELEVON = .000 AILRON = .000
BOFLAP = .000 SPDBRK = 15.000
RN/L = 5.000

PARAMETRIC DATA

RUN NO. 687/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.901	-14.965	.02550	.03060	.01150	.00990	.00510	-.00160	-18.03800
.900	-10.754	.02550	.03060	.01150	.00990	.00510	-.00160	-13.02800
.899	-4.961	.02550	.03060	.01150	.00990	.00510	-.00160	-6.03730
.901	-2.434	.02550	.03060	.01150	.00990	.00510	-.00160	-2.96470
.899	-.089	.02550	.03060	.01150	.00990	.00510	-.00160	-.10890
.899	2.522	.02550	.03060	.01150	.00990	.00510	-.00160	3.07160
.900	4.996	.02550	.03060	.01150	.00990	.00510	-.00160	6.07880
.900	10.003	.02550	.03060	.01150	.00990	.00510	-.00160	12.12800
.900	15.005	.02550	.03060	.01150	.00990	.00510	-.00160	18.08500
.900	18.134	.02550	.03060	.01150	.00990	.00510	-.00160	21.75200
.900	22.808	.02550	.03060	.01150	.00990	.00510	-.00160	27.12700
GRADIENT		.00000	.00000	.00000	.00000	.00000	-.00000	1.21703

RUN NO. 686/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.948	-14.976	.01700	.03060	.01150	.00990	.01360	-.00160	-18.05000
.951	-10.754	.01700	.03060	.01150	.00990	.01360	-.00160	-13.02800
.953	-4.961	.01700	.03060	.01150	.00990	.01360	-.00160	-6.03730
.953	-2.434	.01700	.03060	.01150	.00990	.01360	-.00160	-2.96470
.949	-.123	.01700	.03060	.01150	.00990	.01360	-.00160	-.15000
.951	2.505	.01700	.03060	.01150	.00990	.01360	-.00160	3.05070
.951	5.024	.02550	.03060	.01150	.00990	.00510	-.00160	6.11260
.950	10.011	.02550	.03060	.01150	.00990	.01360	-.00160	12.13700
.951	15.022	.01700	.03060	.01150	.00990	.01360	-.00160	18.10500
.950	18.116	.02550	.03060	.00000	.00990	.00510	.00990	21.73100
.952	22.827	.01700	.03060	.00000	.00990	.01360	.00990	27.14900
GRADIENT		.00000	.00000	.00000	.00000	.00000	-.00000	1.21727

0A145 TABULATED FORCE DATA

(02F091) (08 JUL 77)

DATE 10 MAR 80

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 15.000
RN/L = 5.000

RUN NO. 574/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.199	-14.960	.00850	.04080	.01150	.00990	.03230	-.00160	-18.03200
1.199	-10.727	.00850	.04080	.00000	.00990	.03230	.00990	-12.99500
1.200	-4.947	.00850	.04080	.01150	.00990	.03230	-.00160	-6.01910
1.201	-2.459	.00850	.04080	.00000	.00990	.03230	.00990	-2.99440
1.201	-.110	.00850	.04080	.01150	.00990	.03230	-.00160	-1.13360
1.199	2.488	.00850	.04080	.00000	.00990	.03230	.00990	3.02970
1.199	5.024	.00850	.04080	.00000	.00990	.03230	.00990	6.11260
1.199	10.011	.00850	.04080	.00000	.00990	.03230	.00990	12.13700
1.199	15.005	.00850	.04080	.00000	.00990	.03230	.00990	18.08500
1.199	18.116	.00850	.04080	.00000	.00990	.03230	.00990	21.73100
1.199	22.818	.00850	.04080	.01150	.00990	.03230	-.00160	27.13800
	GRADIENT	.00000	-.00000	-.00096	.00000	.00000	.00096	1.21727

RUN NO. 671/ 0 RN/L = 4.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.395	-14.965	.00000	.03060	.00000	.00990	.03060	.00990	-18.03800
1.396	-10.736	.00000	.03060	.01150	.00990	.03060	-.00160	-13.00600
1.398	-4.932	.00000	.03060	.00000	.00990	.03060	.00990	-6.00090
1.399	-2.434	.00000	.03060	.01150	.00990	.03060	-.00160	-2.96470
1.400	-.123	.00000	.03060	.01150	.00990	.03060	-.00160	-1.50000
1.401	2.496	.00000	.03060	.01150	.00990	.03060	.00160	3.04020
1.401	5.005	.00000	.03060	.01150	.00990	.03060	.00160	6.09000
1.401	10.035	.00000	.03060	.01150	.00990	.03060	.00160	12.16600
1.402	14.986	.00000	.03060	.00000	.00990	.03060	.00990	18.07400
1.402	18.125	.00000	.03060	.00000	.00990	.03060	.00990	21.74200
1.403	22.808	.00000	.03060	.00000	.00990	.03060	.00990	27.12700
	GRADIENT	.00000	.00000	.00140	.00000	.00000	-.00140	1.21728

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

PAGE 1473

ANES 118-1-11 OAI45A 01

(D2F092) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
 ELEVON = .000 AIRRON = .000
 BDFLAP = .000 SPDBRK = 15.000
 RN/L = 5.000

RUN NO. 675/ 0		RN/L = 4.97		GRADIENT INTERVAL = -5.00/ 5.00	
MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI
1.199	-14.976	.00000	.04080	.00000	.00990
1.198	-10.736	.00000	.04080	.00000	.00990
1.200	-4.954	.00000	.04080	.01150	.00990
1.200	-2.451	.00000	.04080	.00000	.00990
1.201	2.132	.00000	.04080	.00000	.00990
1.200	2.505	.00000	.04080	.00000	.00990
1.200	4.996	.00000	.04080	.00000	.00990
1.200	10.019	.00000	.04080	.00000	.00990
1.199	15.022	.00000	.04080	.00000	.00990
1.200	18.116	.00000	.04080	.00000	.00990
1.200	22.818	.00000	.04080	.00000	.00990
1.200	GRADIENT	.00000	.00000	-.00092	.00000
					DRHL
					-18.05000
					-13.00600
					-6.02820
					-2.98450
					-1.6090
					3.05070
					6.07880
					12.14700
					18.10500
					21.73100
					27.13800
					1.21704

RUN NO. 672/ 0		RN/L = 4.90		GRADIENT INTERVAL = -5.00/ 5.00	
MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI
1.392	-14.993	-.02020	.03060	.01150	.00990
1.394	-10.745	.01700	.03060	.01150	.00990
1.393	-4.954	.01700	.03060	.00000	.00990
1.393	-2.426	.01700	.03060	.00000	.00990
1.393	2.513	.01700	.03060	.00000	.00990
1.394	2.514	.01700	.03060	.00000	.00990
1.393	5.014	.01700	.03060	.00000	.00990
1.393	10.003	.01700	.03060	.00000	.00990
1.393	14.996	.01700	.03060	.00000	.00990
1.393	18.107	.01700	.03060	.00000	.00990
1.393	22.836	.01700	.03060	.00000	.00990
1.393	GRADIENT	.00000	.00000	.00000	.00000
					DRHL
					-18.07000
					-13.01700
					-6.02820
					-2.95480
					3.06120
					6.10130
					12.12800
					18.07400
					21.72100
					27.15900
					1.21728

0A145 TABULATED FORCE DATA

DATE 10 MAR 80

AMES 118-1-11 0A145A 01

(02F093) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 15.000 RUDDER = -5.000
 RN/L = 5.000

RUN NO. 704/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.597	-6.045	.00850	.03060	.01150	.01980	.02210	.00830	-6.00090
.597	-1.935	.00850	.03060	.01150	.02970	.02210	.01820	-6.05550
.597	-.839	.00850	.03060	.01150	.02970	.02210	.01820	-6.05550
.598	.029	.00850	.03060	.01150	.02970	.02210	.01820	-6.01000
.597	.551	.00850	.03060	.01150	.01980	.02210	.00830	-6.01000
.597	1.038	.00850	.03060	.01150	.01980	.02210	.00830	-6.01000
.597	2.105	.00850	.03060	.01150	.01980	.02210	.00830	-6.01000
.598	3.141	.00850	.03060	.01150	.01980	.02210	.00830	-6.01000
.598	4.169	.00850	.03060	.01150	.01980	.02210	.00830	-6.01000
.598	6.225	.00850	.03060	.01150	.01980	.02210	.00830	-6.01000
	GRADIENT	.00000	.00000	-.00000	-.00163	.00000	-.00163	.00761

RUN NO. 697/ 0 RN/L = 4.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.799	-6.086	.00850	.03060	.01150	.00990	.02210	.00160	-6.00090
.797	-1.945	.00850	.03060	.01150	.00990	.02210	.00160	-6.01000
.799	-.908	.00850	.03060	.01150	.00990	.02210	.00160	-6.01910
.800	.165	.00850	.03060	.01150	.00990	.02210	.00160	-6.01910
.798	.657	.00850	.03060	.01150	.00990	.02210	.00160	-6.01910
.798	1.178	.00850	.03060	.01150	.00990	.02210	.00160	-6.01910
.797	2.219	.00850	.03060	.01150	.00990	.02210	.00160	-6.02820
.797	3.261	.00850	.03060	.01150	.00990	.02210	.00160	-6.03730
.797	4.699	.00850	.03060	.01150	.00990	.02210	.00160	-6.03730
.796	6.367	.00850	.03060	.00000	.00000	.00000	-.00200	-.00343
	GRADIENT	.00000	.00000	.00000	.00000	.00000	-.00200	-.00343

RUN NO. 691/ 0 RN/L = 4.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.900	-6.130	.01700	.03060	.01150	.00990	.01360	-.00160	-6.01910
.900	-1.964	.00850	.03060	.01150	.00990	.02210	-.00160	-6.02820
.899	-.916	.00850	.03060	.01150	.00990	.02210	-.00160	-6.02820
.899	.133	.00850	.03060	.01150	.00990	.02210	-.00160	-6.03730
.900	.645	.00850	.03060	.01150	.00990	.02210	-.00160	-6.03730
.900	1.174	.00850	.03060	.01150	.00990	.02210	-.00160	-6.02820
.900	2.211	.00850	.03060	.01150	.00990	.02210	-.00160	-6.02820
.898	3.257	.00850	.03060	.01150	.00990	.02210	-.00160	-6.03730
.898	4.295	.00850	.03060	.01150	.00990	.02210	-.00160	-6.03730
.896	6.366	.00850	.03060	.01150	.00990	.02210	-.00160	-6.04640
	GRADIENT	.00000	.00000	.00000	.00000	.00000	-.00000	-.00116

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(D2F093) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPDBRK = 15.000 RUDDER = -5.000
 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 683/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.951	-6.103	.03400	.03060	.01150	.01980	-.00340	.00830	-6.01000
.952	-1.946	.04250	.02040	.01150	.00990	-.02210	-.00160	-6.01910
.951	-.915	.00850	.02040	.01150	.00990	.01190	-.00160	-6.01910
.951	.036	.00850	.02040	.01150	.00990	.01190	-.00160	-6.01910
.951	.589	.00850	.02040	.01150	.00990	.01190	-.00160	-6.01910
.950	1.077	.00850	.03060	.01150	.00990	.02210	-.00160	-6.01910
.949	2.149	.00850	.03060	.01150	.00990	.02210	-.00160	-6.02820
.951	3.190	.00850	.02040	.01150	.00990	.01190	-.00160	-6.02820
.948	4.231	.00850	.03060	.01150	.00990	.02210	-.00160	-6.02820
.947	6.312	.00850	.03060	.01150	.00990	.02210	-.00160	-6.02820
GRADIENT		-.00340	.00146	.00000	.00000	.00486	-.00000	-.00195

RUN NO. 677/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.199	-6.106	.03400	.04080	.01150	.00990	.00680	-.00160	-6.01910
1.200	-1.954	.05100	.04080	.00000	.00990	-.01020	.00990	-6.02820
1.198	-.924	.00000	.04080	.00000	.00990	.04080	.00990	-6.02820
1.199	.053	.00850	.04080	.00000	.00990	.03230	.00990	-6.02820
1.199	.675	.00850	.04080	.00000	.00990	.03230	.00990	-6.02820
1.199	1.179	.01700	.04080	.00000	.00990	.02380	.00990	-6.02820
1.200	2.215	.01700	.04080	.00000	.00990	.02380	.00990	-6.02820
1.198	3.258	.03400	.04080	.00000	.00990	.00680	.00990	-6.02820
1.199	4.296	.05100	.04080	.00000	.00990	-.01020	.00990	-6.03730
1.197	6.364	.01700	.04080	.00000	.00990	.02380	.00990	-6.03730
GRADIENT		.00287	.00000	.00000	.00000	-.00287	.00000	-.00094

RUN NO. 668/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.403	-6.117	.00000	.03060	.00000	.02970	.03060	.02970	-6.02820
1.406	-1.968	.00000	.03060	.00000	.07920	.03060	.07920	-6.02820
1.402	-.908	.00000	.03060	.00000	.06930	.03060	.06930	-6.01910
1.403	.152	.00000	.03060	.00000	.05940	.03060	.05940	-6.01910
1.403	.633	.00000	.03060	.00000	.02970	.03060	.02970	-6.01910
1.403	1.169	.00000	.03060	.00000	.02970	.03060	.02970	-6.01000
1.402	2.225	.00850	.03060	.00000	.02970	.02210	.02970	-6.01000
1.402	3.275	.01700	.03060	.00000	.02970	.01360	.02970	-6.01000
1.403	4.324	.01700	.03060	.00000	.02970	.01360	.02970	-6.00090
1.400	6.409	.02550	.03060	.00000	.01980	.00510	.01980	-5.99180
GRADIENT		.00326	.00000	.00000	-.00843	-.00326	-.00843	.00377

OAI145 TABULATED FORCE DATA

DATE 10 MAR 80

(02F094) (08 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

BETA = .000
AILLON = .000
SPDRK = 40.000
RN/L = 5.000

PARAMETRIC DATA

ELEVON = .000
BOFLAP = .000
RUDDER = .000

RUN NO. 731/ 0		RN/L = 4.97		GRADIENT INTERVAL = -5.00/ 5.00	
MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI
.597	-4.987	.00850	.01020	.01150	.00000
.598	-.015	.00000	.01020	.01150	.00000
.599	2.550	.00000	.01020	.01150	.00000
.596	5.007	.02550	.01020	.01150	.00000
.596	7.065	.02550	.01020	.01150	.00000
.596	8.123	.02550	.01020	.01150	.00000
.597	10.156	.01700	.01020	.01150	.00000
.597	12.196	.00000	.01020	.01150	.00000
.597	15.189	.02550	.01020	.02300	.00000
GRADIENT		-.00121	.00000	.00000	.00000

DELL	DELR	DRHL
.00170	-.01150	-.13360
.01020	-.01150	-.13360
.01020	-.01150	-.13360
-.01530	-.01150	-.14180
-.01530	-.01150	-.15000
-.01530	-.01150	-.15000
-.00680	-.01150	-.15000
-.01020	-.01150	-.14180
-.01530	-.02300	-.10070
.00121	.00000	.00000

RUN NO. 726/ 0		RN/L = 4.99		GRADIENT INTERVAL = -5.00/ 5.00	
MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI
.739	-4.991	.00000	.01020	.02300	.02970
.789	-.017	.00000	.01020	.02300	.02970
.799	2.543	.00000	.01020	.02300	.02970
.796	5.029	.00000	.01020	.02300	.02970
.796	7.135	.00000	.01020	.01150	.02970
.797	8.158	.00000	.01020	.00000	.02970
.801	10.166	.00000	.01020	.03450	.02970
.796	12.247	.00000	.01020	.02300	.02970
.797	15.274	.00000	.01020	.02300	.02970
GRADIENT		.00000	.00000	.00000	-.00000

DELL	DELR	DRHL
.01020	.00670	-.14180
.01020	.00670	-.14180
.01020	.00670	-.11710
.01020	.00670	-.10890
.01020	.01820	-.10890
.01020	.02970	-.12540
.01020	-.00480	-.11710
.01020	.00670	-.09250
.01020	.00670	-.10890
.00000	.00000	.00283

RUN NO. 725/ 0		RN/L = 5.00		GRADIENT INTERVAL = -5.00/ 5.00	
MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI
.900	-4.916	.00000	.01020	.02300	.02970
.909	-.056	.00000	.01020	.02300	.02970
.900	2.565	.00000	.01020	.02300	.02970
.899	5.058	.00000	.01020	.02300	.02970
.900	7.162	.00000	.01020	.02300	.02970
.900	8.174	.00000	.01020	.01150	.02970
.899	10.225	.00000	.01020	.01150	.02970
.899	12.232	.00000	.01020	.02300	.02970
.897	15.283	.00000	.01020	.02300	.02970
GRADIENT		.00000	.00000	-.00000	.00000

DELL	DELR	DRHL
.01020	.00670	-.10890
.01020	.00670	-.07610
.01020	.00670	-.13360
.01020	.00670	-.10070
.01020	.00670	-.15000
.01020	.01820	-.13360
.01020	.01820	-.10890
.01020	.00670	-.11710
.01020	.00670	-.11710
.00000	.00000	-.00204

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

PAGE 1477

AMES 118-1-11 OAI45A 01

(02F094) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDGRK = 40.000 RUDDER = .000
 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 717/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.950	-5.032	.00000	.01020	.01150	.02970	.01020	.01820	-.11710
.951	-.005	.00850	.01020	.01150	.02970	.00170	.01820	-.11710
.949	2.541	.00850	.02040	.01150	.02970	.01190	.01820	-.10890
.950	4.989	.00000	.02040	.01150	.02970	.02040	.01820	-.12540
.949	7.041	.00850	.02040	.01150	.02970	.01190	.01820	-.09250
.950	8.063	.01700	.02040	.01150	.02970	.00340	.01820	-.09250
.949	10.100	.00850	.02040	.01150	.02970	.01190	.01820	-.11710
.950	12.164	.00850	.02040	.01150	.02970	.01190	.01820	-.12540
.950	15.239	.00850	.01020	.00000	.02970	.00170	.02970	-.05140
	GRADIENT	-.00169	.00206	-.00000	.00000	.00375	-.00000	-.00163

RUN NO. 713/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.200	-5.010	.00000	.01020	.01150	.02970	.01020	.01820	-.12540
1.203	.004	.00000	.01020	.01150	.02970	.01020	.01820	-.11710
1.200	2.559	.00000	.01020	.01150	.02970	.01020	.01820	-.11710
1.198	5.094	.00000	.01020	.01150	.02970	.01020	.01820	-.10890
1.196	7.158	.00000	.01020	.01150	.02970	.01020	.01820	-.10890
1.198	8.193	.00000	.01020	.00000	.02970	.01020	.02970	-.10890
1.198	10.175	.00000	.01020	.01150	.02970	.01020	.01820	-.12540
1.201	12.208	.00000	.02040	.01150	.02970	.02040	.01820	-.13360
1.199	15.261	.00000	.01020	.01150	.02970	.01020	.01820	-.14180
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 710/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.399	-4.975	.02550	.03060	.01150	.03960	.00510	.02810	-.14180
1.405	.032	.01700	.02040	.01150	.02970	.00340	.01820	-.11710
1.403	2.589	.02550	.02040	.01150	.02970	-.00510	.01820	-.11710
1.400	5.161	.01700	.02040	.01150	.02970	.00340	.01820	-.10890
1.400	7.198	.00000	.02040	.00000	.02970	.02040	.02970	-.12540
1.399	8.188	.01700	.02040	.00000	.02970	.00340	.02970	-.12540
1.399	10.072	.01700	.02040	.01150	.02970	.00340	.01820	-.13360
1.399	12.114	.00000	.02040	.01150	.02970	.02040	.01820	-.13360
1.399	15.070	.00850	.02040	.01150	.02970	.01190	.01820	-.12540
1.397		-.00023	-.00144	.00000	-.00140	-.00121	-.00140	.00350

OAI45 TABULATED FORCE DATA
AMES 118-1-11 OAI45A 01

DATE 10 MAR 80

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 ELEVON = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO AILRON = .000 BDFLAP = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPDRK = 40.000 RUDDER = .000
 SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 728/ 0		RN/L = 4.97		GRADIENT INTERVAL = -5.00/ 5.00	
BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DRHL
-6.054	.02550	.01020	.02300	.03960	-.15090
-1.926	.02550	.01020	.02300	.03960	-.22650
-.881	.02550	.01020	.02300	.13860	-.23740
.028	.02550	.01020	.02300	.11860	-.24840
.642	.02550	.01020	.02300	.02970	-.10890
1.144	.01700	.01020	.02300	.01980	-.10070
2.190	.01700	.01020	.02300	.01980	-.13360
3.221	.01700	.01020	.02300	.01980	-.14180
4.258	.01700	.01020	.02300	.01980	-.15000
6.319	.01700	.01020	.02300	.01980	-.17190
GRADIENT	-.00183	.00000	.00000	-.01336	.01749

RUN NO. 727/ 0		RN/L = 4.99		GRADIENT INTERVAL = -5.00/ 5.00	
BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DRHL
-6.098	.00000	.01020	.02300	.02970	-.10890
-1.955	.00000	.01020	.02300	.02970	-.23740
-.913	.00000	.01020	.02300	.02970	-.13360
.094	.00000	.01020	.02300	.02970	-.12540
.663	.00000	.01020	.02300	.02970	-.11710
1.158	.00000	.01020	.02300	.02970	-.11710
2.203	.00000	.01020	.02300	.02970	-.14180
3.249	.00000	.01020	.02300	.02970	-.15000
4.288	.00000	.01020	.02300	.02970	-.17190
6.355	.00000	.01020	.02300	.02970	-.22650
GRADIENT	.00000	.00000	.00000	.00000	.00445

RUN NO. 724/ 0		RN/L = 5.01		GRADIENT INTERVAL = -5.00/ 5.00	
BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DRHL
-6.094	.00000	.01020	.01150	.02970	-.10070
-1.962	.00000	.01020	.02300	.03960	-.19370
-.906	.00000	.01020	.02300	.03960	-.23740
.105	.00000	.01020	.01150	.03960	-.15000
.656	.00000	.01020	.02300	.02970	-.15000
1.156	.00000	.01020	.02300	.03960	-.15000
2.223	.00000	.01020	.02300	.03960	-.14180
3.266	.00000	.01020	.02300	.03960	-.15000
4.304	.00000	.01020	.02300	.03960	-.18280
6.376	.00000	.01020	.02300	.02970	-.15000
GRADIENT	.00000	.00000	.00037	.00014	.00695

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(02F095) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDGRK = 40.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 718/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.952	-6.113	.00850	.02040	.01150	.02970	.01190	.01820	-.12540
.952	-1.975	.00850	.02040	.01150	.02970	.01190	.01820	-.20460
.951	-.927	.01700	.02040	.01150	.02970	.00340	.01820	-.13360
.951	.148	.01700	.02040	.01150	.02970	.00340	.01820	-.14180
.950	.636	.01700	.02040	.01150	.02970	.00340	.01820	-.15000
.950	1.158	.01700	.01020	.01150	.02970	-.00680	.01820	-.15000
.948	2.217	.02550	.02040	.01150	.02970	-.00510	.01820	-.14180
.950	3.268	.02550	.01020	.01150	.02970	-.01530	.01820	-.16090
.951	4.310	.02550	.01020	.01150	.02970	-.01530	.01820	-.12540
.948	6.380	.02550	.01020	.01150	.02970	-.01530	.01820	-.12540
	GRADIENT	.00263	-.00179	.00000	.00000	-.00441	.00000	.00619

RUN NO. 714/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.203	-6.126	.00000	.01020	.01150	.02970	.01020	.01820	-.05140
1.199	-1.958	.00000	.02040	.01150	.02970	.02040	.01820	-.12540
1.201	-.912	.00000	.02040	.01150	.02970	.02040	.01820	-.13360
1.199	.136	.00000	.02040	.01150	.02970	.02040	.01820	-.15000
1.201	.614	.00850	.02040	.01150	.02970	.01190	.01820	-.15000
1.200	1.134	.01700	.02040	.01150	.02970	.00340	.01820	-.15000
1.201	2.193	.01700	.02040	.01150	.02970	.00340	.01820	-.15000
1.200	3.244	.00000	.02040	.01150	.02970	.02040	.01820	-.13360
1.198	4.289	.00000	.02040	.01150	.02970	.02040	.01820	-.15000
1.199	6.358	.00000	.02040	.01150	.02970	.02040	.01820	-.18280
	GRADIENT	.00050	.00000	.00000	.00000	-.00050	.00000	-.00238

RUN NO. 708/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.407	-6.245	.02550	.02040	.01150	.02970	-.00510	.01820	-.15000
1.407	-2.078	.04250	.02040	.01150	.02970	-.02210	.01820	-.11710
1.406	-1.028	.05100	.02040	.01150	.02970	-.03060	.01820	-.15000
1.406	.055	.00850	.02040	.01150	.02970	.01190	.01820	-.15000
1.406	.571	.01700	.02040	.01150	.02970	.00340	.01820	-.15000
1.406	1.101	.01700	.02040	.01150	.02970	.00340	.01820	-.15000
1.406	2.148	.01700	.02040	.01150	.02970	.00340	.01820	-.15000
1.405	3.199	.01700	.02040	.01150	.02970	.00340	.01820	-.16090
1.404	4.245	.01700	.02040	.01150	.02970	.00340	.01820	-.17190
1.402	6.358	.03400	.02040	.01150	.02970	-.01360	.01820	-.21560
	GRADIENT	-.00449	.00000	.00000	.00000	.00449	.00000	-.00626

OAI45 TABULATED FORCE DATA

(02F096) (08 JUL 77)

DATE 10 MAR 80

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 BETA = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELEVON = .000 AILRON = .000
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO BDFLAP = .000 SPDBRK = 40.000
SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 730/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.596	-14.976	.00850	.01020	.02300	.00990	.00170	-.01310	-18.05000
.597	-10.727	.00850	.01020	.02300	.00000	.00170	-.02300	-12.99500
.597	-4.932	.00850	.01020	.01150	.00000	.00170	-.01150	-6.00090
.597	-2.426	.00850	.01020	.01150	.00000	.00170	-.01150	-2.95480
.597	-.089	.00850	.01020	.01150	.00000	.00170	-.01150	-1.0890
.597	2.505	.00850	.01020	.01150	.00000	.00170	-.01150	3.05070
.597	4.996	.00850	.01020	.01150	.00000	.00170	-.01150	6.07880
.598	10.027	.00850	.01020	.01150	.00000	.00170	-.01150	12.15600
.597	14.970	.00850	.01020	.04600	.00000	.00170	-.04600	18.04300
.597	18.134	.00850	.01020	.01150	.00000	.00170	-.01150	21.75200
.597	22.827	.00850	.01020	.02300	.00000	.00170	-.02300	27.14900
	GRADIENT	.00000	.00000	.00000	.00000	-.00000	-.00000	1.21705

RUN NO. 721/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.900	-14.976	.03400	.01020	.02300	.03960	-.02380	.01660	-18.05000
.901	-10.754	.03400	.01020	.02300	.03960	-.02380	.01660	-13.02800
.902	-4.947	.03400	.01020	.02300	.03960	-.02380	.01660	-6.01910
.900	-2.426	.04250	.01020	.02300	.03960	-.03230	.01660	-2.95480
.902	-.123	.04250	.01020	.01150	.03960	-.03230	.02810	-.15000
.901	2.531	.04250	.01020	.02300	.03960	-.03230	.01660	3.08210
.899	10.027	.03400	.01020	.02300	.03960	-.02380	.01660	12.15600
.902	15.022	.03400	.01020	.01150	.03960	-.02380	.02810	18.10500
.901	18.116	.03400	.01020	.01150	.03960	-.02380	.02810	21.73100
.900	22.827	.00000	.01020	.01150	.03960	.01020	.02810	27.14900
	GRADIENT	.00103	.00000	-.00042	.00000	-.00103	.00042	1.21726

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OAI45 TABULATED FORCE DATA

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(DEF088) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDRK = 40.000
RN/L = 5.000

RUN NO. 720/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.952	-14.993	.02550	.02040	.01150	.03960	-.00510	.02810	-18.07000
.951	-10.745	.02550	.01020	.01150	.03960	-.01530	.02810	-13.01700
.951	-4.924	.02550	.01020	.01150	.03960	-.01530	.02810	-5.99180
.950	-2.426	.02550	.02040	.01150	.03960	-.00510	.02810	-2.95480
.952	-.103	.02550	.02040	.01150	.03960	-.00510	.02810	-.12540
.950	2.513	.02550	.01020	.01150	.03960	-.01530	.02810	3.06120
.951	3.308	.02550	.01020	.01150	.03960	-.01530	.02810	4.02820
.951	5.033	.02550	.02040	.01150	.03960	-.00510	.02810	6.12390
.951	10.019	.02550	.02040	.01150	.03960	-.00510	.02810	12.14700
.951	15.022	.02550	.02040	.01150	.03960	-.00510	.02810	18.10500
.951	18.134	.02550	.02040	.02300	.03960	-.00510	.01660	21.75200
.950	22.827	.02550	.02040	.02300	.03960	-.00510	.01660	27.14900
GRADIENT	-.00000	-.00000	-.00041	-.00000	.00000	-.00041	.00000	1.21734

RUN NO. 712/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.200	-14.965	.00000	.01020	.01150	.02970	.01020	.01820	-18.03800
1.202	-10.754	.00000	.02040	.01150	.02970	.02040	.01820	-13.02800
1.201	-4.947	.00000	.01020	.00000	.02970	.01020	.02970	-6.01910
1.199	-2.451	.00000	.01020	.01150	.02970	.01020	.01820	-2.98450
1.200	-.096	.00000	.02040	.01150	.02970	.02040	.01820	-.11710
1.200	2.496	.00000	.02040	.01150	.02970	.02040	.01820	3.04020
1.201	5.024	.00000	.01020	.01150	.02970	.01020	.01820	6.11260
1.200	10.003	.00000	.02040	.01150	.02970	.02040	.01820	12.12800
1.201	15.005	.00000	.02040	.01150	.02970	.02040	.01820	18.08500
1.200	18.125	.00000	.02040	.01150	.02970	.02040	.01820	21.74200
1.199	22.818	.00000	.02040	.01150	.02970	.02040	.01820	27.13800
GRADIENT	-.00000	.00000	.00164	.00140	.00000	.00164	-.00140	1.21728

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(D2F096) (08 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 BETA = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELEVON = .000 AILRON = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPDBRK = 40.000
 SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 711/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.407	-14.993	.00850	.02040	.01150	.02970	.01190	.01820	-18.07000
1.406	-10.745	.01700	.02040	.01150	.03960	.00340	.02810	-13.01700
1.404	-4.947	.02550	.02040	.01150	.02970	-.00510	.01820	-6.01910
1.403	-2.418	.02550	.02040	.01150	.02970	-.00510	.01820	-2.94490
1.402	-1.110	.02550	.02040	.01150	.02970	-.00510	.01820	-1.1360
1.403	2.505	.01700	.02040	.01150	.03960	.00340	.02810	3.05070
1.402	5.005	.01700	.02040	.01150	.03960	.00340	.02810	6.09000
1.403	10.011	.01700	.02040	.01150	.02970	.00340	.01820	12.13700
1.403	15.022	.01700	.02040	.01150	.03960	.00340	.02810	18.10500
1.402	18.107	.01700	.02040	.01150	.02970	.00340	.01820	21.72100
1.402	22.780	.01700	.02040	.01150	.02970	.00340	.01820	27.09500
	GRADIENT	-.00105	-.00000	-.00000	.00122	.00105	.00122	1.21727

AMES 118-1-11 OAI45A 01

(D2F097) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 ELEVON = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO AILRON = .000 BDFLAP = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPDBRK = 40.000 RUDDER = -5.000
 SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 729/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.598	-6.019	.01700	.01020	.02300	.01980	-.00680	-.00320	-6.01000
.598	-1.918	.00850	.01020	.02300	.00990	.00170	-.01310	-6.01910
.597	-.881	.00850	.01020	.02300	.00990	.00170	-.01310	-6.01910
.598	.079	.00850	.01020	.02300	.00990	.00170	-.01310	-6.02820
.597	.627	.00850	.01020	.02300	.00990	.00170	-.01310	-6.02820
.597	1.152	.00850	.01020	.02300	.00990	.00170	-.01310	-6.02820
.597	2.199	.00850	.01020	.02300	.00990	.00170	-.01310	-6.02820
.597	3.229	.00850	.01020	.02300	.00990	.00170	-.01310	-6.02820
.597	4.265	.00850	.01020	.02300	.00990	.00170	-.01310	-6.02820
.597	6.323	.00850	.01020	.02300	.00990	.00170	-.01310	-6.02820
	GRADIENT	-.00000	.00000	.00000	-.00000	.00000	-.00000	-.00165

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AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 ELEVON = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO AILRON = .000 BOFLAP = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPDGRK = 40.000 RUDDER = -5.000
 SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 723/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.902	-6.110	.0000	.01020	.02300	.03960	.01020	.01660	-6.01910
.900	-1.948	.00000	.01020	.01150	.03960	.01020	.02810	-6.04640
.900	-.904	.00000	.01020	.02300	.03960	.01020	.01660	-6.05550
.900	.164	.00000	.01020	.02300	.03960	.01020	.01660	-6.05550
.899	.662	.00000	.01020	.02300	.03960	.01020	.01660	-6.05550
.900	1.191	.00000	.01020	.02300	.03960	.01020	.01660	-6.05550
.898	2.231	.00000	.01020	.02300	.03960	.01020	.01660	-6.05550
.898	3.275	.00000	.01020	.02300	.03960	.01020	.01660	-6.05550
.899	4.312	.00000	.01020	.02300	.03960	.01020	.01660	-6.07360
.897	6.384	.00000	.01020	.01150	.03960	.01020	.02810	-6.01910
GRADIENT		.00000	.00000	.00115	.00000	.00000	-.00115	-.00342

RUN NO. 719/ 0 RN/L = 5.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.953	-6.100	.02550	.02040	.01150	.02970	-.00510	.01820	-6.01910
.950	-1.952	.02550	.02040	.01150	.02970	-.00510	.01820	-6.02820
.952	-.903	.02550	.02040	.01150	.02970	-.00510	.01820	-6.02820
.951	.169	.02550	.02040	.01150	.02970	-.00510	.01820	-6.02820
.951	.646	.02550	.02040	.01150	.02970	-.00510	.01820	-6.02820
.951	1.170	.02550	.01020	.01150	.03960	-.01530	.02810	-6.02820
.949	2.228	.02550	.02040	.01150	.03960	-.00510	.02810	-6.03730
.950	3.276	.02550	.02040	.01150	.03960	-.00510	.02810	-6.04640
.950	4.318	.02550	.01020	.01150	.03960	-.01530	.02810	-6.05550
.948	6.385	.02550	.02040	.01150	.03960	-.00510	.02810	-6.03730
GRADIENT		.00000	-.00108	.00000	.00210	-.00108	.00210	-.00444

RUN NO. 715/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.200	-6.087	.01700	.02040	.01150	.02970	-.00340	.01820	-6.04640
1.200	-1.944	.01700	.01020	.01150	.02970	-.00680	.01820	-6.07360
1.200	-.897	.01700	.01020	.01150	.02970	-.00680	.01820	-6.05550
1.199	.146	.01700	.01020	.01150	.02970	-.00680	.01820	-6.06450
1.200	.642	.02550	.01020	.01150	.02970	-.01530	.01820	-6.05450
1.200	1.153	.01700	.01020	.01150	.02970	-.00680	.01820	-6.05450
1.200	2.207	.02550	.01020	.01150	.02970	-.01530	.01820	-6.06450
1.200	3.256	.02550	.01020	.01150	.02970	-.01530	.01820	-6.06450
1.199	4.296	.03400	.01020	.01150	.02970	-.02380	.01820	-6.01000
1.197	6.361	.01700	.01020	.01150	.02970	-.00680	.01820	-6.01000
GRADIENT		.00256	.00000	.00000	.00000	-.00256	.00000	.00602

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 40.000 RUDDER = -5.000
RN/L = 5.000

RUN NO. 709/ 0 RN/L = 4.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.404	-6.218	.02550	.02040	.01150	.02970	-.00510	.01820	-6.03730
1.409	-2.071	.02550	.02040	.01150	.02970	-.00510	.01820	-6.06450
1.408	-1.017	.02550	.02040	.01150	.02970	-.00510	.01820	-6.06450
1.407	.057	.02550	.02040	.01150	.02970	-.00510	.01820	-6.04640
1.406	.572	.02550	.02040	.01150	.02970	-.00510	.01820	-6.01000
1.407	1.107	.02550	.02040	.01150	.02970	-.00340	.01820	-6.01000
1.405	2.158	.01700	.02040	.01150	.02970	.00340	.01820	-6.01000
1.405	3.203	.01700	.02040	.01150	.02970	.00510	.01820	-6.01000
1.404	4.247	.02550	.03060	.01150	.02970	.00510	.01820	-6.02820
1.404	6.359	.03400	.02040	.01150	.02970	-.01360	.01820	-6.02820
1.402	GRADIENT	-.00090	.00105	.00000	.00000	.00194	.00000	.01010

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REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 5.000

RUN NO. 585/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.598	-5.044	.00850	.01020	.01150	.02970	.00170	.01820	-.15000
.598	-.055	.00850	.01020	.01150	.02970	.00170	.01820	-.15000
.597	2.496	.00850	.01020	.01150	.02970	.00170	.01820	-.17190
.598	4.995	.00850	.01020	.00000	.02970	.00170	.02970	-.17190
.599	7.036	.00000	.01020	.00000	.02970	.01020	.02970	-.19370
.597	8.071	.00000	.01020	.00000	.02970	.01020	.02970	-.19370
.597	10.116	.00850	.01020	.00000	.02970	.00170	.01820	-.17190
.597	12.179	.01700	.01020	.01150	.02970	-.00680	.01820	-.17190
.599	15.203	.01700	.01020	.00000	.02970	-.00680	.02970	-.16090
.599	GRADIENT	.00000	.00000	-.00227	.00000	.00000	.00227	-.00435

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AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 55.000 RUDDER = .000
 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 579/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.797	-5.031	.02550	.01020	.01150	.02970	-.01530	.01820	-.19370
.799	.008	.02550	.01020	.01150	.02970	-.01530	.01820	-.18280
.798	2.739	.01700	.01020	.01150	.02970	-.00680	.01820	-.16090
.799	5.189	.01700	.01020	.01150	.02970	-.00680	.01820	-.15000
.797	7.199	.00850	.01020	.01150	.02970	.00170	.01820	-.15000
.798	8.265	.00850	.01020	.01150	.02970	.00170	.01820	-.14180
.798	9.319	.00850	.01020	.01150	.02970	.00170	.01820	-.16090
.799	10.184	.00850	.01020	.01150	.02970	.00170	.01820	-.13360
.798	11.292	.01700	.01020	.01150	.02970	-.00680	.01820	-.12540
.798	12.259	.00850	.01020	.01150	.02970	.00170	.01820	-.12540
.799	15.278	.00850	.01020	.01150	.02970	.00170	.01820	-.12540
GRADIENT		-.00311	.00000	-.00000	.00000	.00311	.00000	.00802

RUN NO. 563/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.899	-5.104	.00850	.01020	.01150	.02970	.00170	.01820	-.13360
.899	-.126	.01700	.01020	.01150	.02970	-.00680	.01820	-.13360
.899	2.426	.01700	.01020	.01150	.02970	-.00680	.01820	-.13360
.902	4.982	.00850	.01020	.01150	.02970	.00170	.01820	-.11710
.903	7.102	.00850	.01020	.01150	.02970	.00170	.01820	-.12540
.898	8.114	.00850	.01020	.01150	.02970	.00170	.01820	-.11710
.900	10.158	.00850	.01020	.01150	.02970	.00170	.01820	-.12540
.901	12.223	.00850	.01020	.01150	.02970	.00170	.01820	-.11710
.903	15.254	.01700	.01020	.01150	.02970	-.00680	.01820	-.14180
GRADIENT		-.00166	-.00000	-.00000	.00000	.00166	.00000	.00323

RUN NO. 560/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.950	-5.113	.00850	.01020	.02300	.02970	.00170	.00670	-.12540
.950	-.082	.00850	.01020	.02300	.02970	.00170	.00670	-.12540
.950	2.462	.00850	.01020	.02300	.02970	.00170	.00670	-.12540
.951	5.051	.00850	.01020	.01150	.02970	.00170	.01820	-.12540
.950	7.112	.00000	.01020	.01150	.02970	.00170	.01820	-.12540
.950	8.145	.00850	.01020	.02300	.02970	.00170	.00670	-.11710
.950	10.200	.00000	.01020	.01150	.02970	.00170	.01820	-.13360
.949	12.223	.00000	.01020	.01150	.02970	.00170	.01820	-.13360
.949	15.268	.00000	.01020	.02300	.02970	.00170	.00670	-.12540
.954		.00000	-.00000	.00000	.00000	.00000	.00000	.00000

0A145 TABULATED FORCE DATA

(02F098) (08 JUL 77)

DATE 10 MAR 80

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 5.000

RUN NO. 551/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.100	-5.114	.04250	.01020	.03450	.02970	-.03230	-.00480	-.09250
1.102	-.038	.02550	.01020	.02300	.02970	-.01530	.00670	-.09250
1.098	2.479	.02550	.01020	.01150	.01980	-.01530	.00830	-.09250
1.099	5.060	.01700	.01020	.01150	.01980	-.00680	.00830	-.08430
1.102	7.125	.01700	.01020	.02300	.01980	-.00680	-.00320	-.08430
1.101	8.145	.01700	.01020	.01150	.01980	-.00680	.00830	-.08430
1.100	10.194	.01700	.01020	.01150	.02970	-.00680	.01820	-.07610
1.102	12.227	.01700	.01020	.02300	.02970	-.00680	.00670	-.11710
1.099	15.268	.01700	.01020	.01150	.02970	-.00680	.01820	-.00000
	GRADIENT	.00000	.00000	-.00457	-.00393	.00000	.00064	

RUN NO. 534/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.200	-5.129	.00850	.02040	.02300	.02970	.01190	.00670	-.15000
1.207	-.860	.00850	.00000	.02300	.02970	-.00850	.00670	-.15000
1.200	2.486	.00000	.00000	.02300	.02970	.00000	.00670	-.14180
1.198	5.113	.00000	.01020	.02300	.02970	.01020	.00670	-.14180
1.198	7.162	.00000	.02040	.02300	.02970	.02040	.00670	-.14180
1.199	8.196	.00000	.01020	.02300	.02970	.01020	.00670	-.13360
1.196	10.285	.00000	.00000	.02300	.02970	.00000	.00670	-.12540
1.197	12.278	.00000	.00000	.02300	.02970	.00000	.00670	-.12540
1.189	15.289	.00000	.00000	.02300	.02970	.00000	.00670	-.00245
	GRADIENT	-.00254	.00000	.00000	-.00000	.00254	-.00000	

RUN NO. 533/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.300	-5.130	.00000	.02040	.02300	.00000	.02040	-.02300	-.14180
1.300	-.032	.00000	.01020	.02300	.00000	.01020	-.02300	-.13360
1.297	2.460	.00000	.01020	.02300	.00000	.01020	-.02300	-.12540
1.294	5.112	.00000	.01020	.02300	.00000	.01020	-.02300	-.11710
1.295	7.148	.00000	.01020	.02300	.00000	.01020	-.02300	-.10070
1.295	8.187	.00000	.01020	.02300	.00000	.01020	-.02300	-.08430
1.293	10.274	.00000	.00000	.02300	.00000	.00000	-.02300	-.06790
1.293	12.266	.00000	.00000	.02300	.00000	.00000	-.02300	-.14180
1.293	15.273	.00000	.01020	.02300	.00000	.01020	-.02300	-.12540
	GRADIENT	.00000	-.00000	-.00000	.00000	-.00000	.00000	.00329

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0A145 TABULATED FORCE DATA

PAGE 1487

(02F098) (08 JUL 77)

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

BETA = .000 ELEVON = .000
AILRON = .000 BOFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 5.000

PARAMETRIC DATA

RUN NO. 514/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.400	-5.109	.00850	.03060	.02300	.01980	.02210	-.00320	-.16090
1.410	-.042	.00000	.01020	.02300	.01980	.01020	-.00320	-.17190
1.405	2.430	.00000	.01020	.01150	.01980	.01020	.00830	-.16090
1.402	5.011	.00000	.01020	.02300	.01980	.01020	-.00320	-.17190
1.401	7.037	.00000	.01020	.01150	.01980	.01020	.00830	-.17190
1.401	8.168	.00000	.01020	.01150	.00990	.01020	-.00160	-.16090
1.399	10.214	.00000	.00000	.02300	.01980	.01020	-.00320	-.17190
1.399	12.223	.00000	.00000	.02300	.01980	.00000	-.00320	-.16090
1.396	15.289	.00000	.00000	.02300	.01980	.00000	-.00320	-.16090
	GRADIENT	.00000	.00000	-.00465	.00000	.00000	.00465	.00465

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

BETA = 2.000 ELEVON = .000
AILRON = .000 BOFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 5.000

PARAMETRIC DATA

(02F099) (08 JUL 77)

AMES 118-1-11 0A145A 01

RUN NO. 872/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.597	-5.234	.00850	.04080	.02300	.02970	.03230	.00670	-.12540
.599	-.258	.00850	.04080	.02300	.02970	.03230	.00670	-.12540
.598	2.258	.00850	.04080	.02300	.02970	.03230	-.00320	-.12540
.597	4.946	.00850	.04080	.02300	.01980	.02210	-.00320	-.12540
.597	7.993	.00850	.03060	.02300	.01980	.02210	.00830	-.12540
.597	10.079	.00850	.03060	.01150	.01980	.02210	-.00320	-.12540
.597	12.070	.00850	.04080	.02300	.01980	.03230	-.00320	-.12540
.596	15.068	.00850	.03060	.02300	.01980	.02210	-.00320	-.12540
.597	17.057	.01700	.03060	.02300	.01980	.01360	-.00320	-.12540
.597	19.010	.00850	.03060	.02300	.01980	.02210	-.00320	-.12540
	GRADIENT	-.00000	.00000	.00000	-.00192	-.00000	-.00192	.00000

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OAI145 TABULATED FORCE DATA

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(02F099) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
 AILRON = .000 EFLAP = .000
 SPDBRK = 55.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 868/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.197	-5.270	.00850	.04080	.01150	.03960	.03230	.02810	-.14180
1.202	-.237	.01700	.04080	.01150	.03960	.02360	.02810	-.14180
1.201	2.298	.01700	.03060	.01150	.03960	.01360	.02810	-.14180
1.199	4.915	.01700	.04080	.01150	.03960	.02380	.02810	-.14180
1.198	8.078	.01700	.04080	.01150	.03960	.02380	.02810	-.14180
1.200	10.119	.01700	.04080	.01150	.03960	.02380	.02810	-.13360
1.200	12.122	.01700	.04080	.01150	.03960	.02380	.02810	-.14180
1.199	15.136	.01700	.03060	.01150	.03960	.01360	.02810	-.14180
1.200	17.129	.00850	.03060	.01150	.03960	.02210	.02810	-.13360
1.200	19.063	.00850	.03060	.01150	.03960	.02210	.02810	-.13360
1.198	GRADIENT	.00000	.00002	-.00000	-.00000	.00002	.00000	.00000

RUN NO. 867/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.295	-5.259	.01700	.01020	.01150	.03960	-.00680	.02810	-.14180
1.300	-.251	.00850	.01020	.01150	.03960	.00170	.02810	-.14180
1.297	2.278	.01700	.01020	.01150	.03960	-.00680	.02810	-.14180
1.297	4.931	.01700	.01020	.01150	.03960	-.00680	.02810	-.14180
1.295	8.092	.01700	.01020	.01150	.03960	-.00680	.02810	-.14180
1.295	10.108	.00850	.00000	.01150	.03960	-.00850	.02810	-.14180
1.294	12.148	.01700	.01020	.01150	.03960	-.00680	.02810	-.14180
1.294	15.151	.01700	.01020	.01150	.03960	-.00680	.02810	-.14180
1.293	17.114	.01700	.01020	.01150	.03960	-.00680	.02810	-.13360
1.291	19.048	.00850	.03060	.01150	.03960	.02210	.02810	-.12540
	GRADIENT	.00163	-.00000	.00000	.00000	-.00163	.00000	.00000

RUN NO. 866/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.402	-5.275	.02550	.01020	.01150	.03960	-.01530	.02810	-.15000
1.407	-.240	.01700	.00000	.01150	.03960	-.01700	.02810	-.14180
1.404	2.257	.01700	.00000	.01150	.03960	-.01700	.02810	-.14180
1.402	4.877	.01700	.00000	.01150	.03960	-.01700	.02810	-.15000
1.401	8.079	.01700	.00000	.01150	.03960	-.01700	.02810	-.14180
1.402	10.059	.01700	.00000	.01150	.04950	-.01700	.03800	-.14180
1.403	12.109	.01700	.01020	.01150	.03960	-.00680	.02810	-.14180
1.401	15.094	.01700	.00000	.00000	.03960	-.01700	.03960	-.14180
1.397	17.103	.01700	.01020	.01150	.03960	-.00680	.02810	-.14180
1.392	19.032	.01700	.01020	.01150	.02970	-.00680	.01820	-.14180
	GRADIENT	-.00000	.00000	-.00000	-.00000	.00000	.00000	-.00161

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0A145 TABULATED FORCE DATA

PAGE 1490

AMES 118-1-11 0A145A 01

(DEF0A0) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 5.000

RUN NO. 590/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.598	-6.073	.00850	.01020	.01150	.05940	.00170	.04790	-.04320
.598	-1.986	.00850	.01020	.00000	.05940	.00170	.05940	-.31390
.598	-.941	.00850	.01020	.01150	.05940	.00170	.04790	-.34670
.597	.105	.00850	.01020	.01150	.05940	.00170	.04790	-.36860
.598	.614	.00850	.01020	.00000	.05940	.00170	.05940	-.36860
.598	1.132	.00850	.01020	.01150	.05940	.00170	.04790	-.37950
.598	2.170	.00850	.01020	.01150	.05940	.00170	.04790	-.07180
.597	3.195	.00850	.01020	.01150	.06930	.00170	.05780	-.33580
.597	4.225	.00850	.01020	.01150	.06930	.00170	.05780	-.36860
.597	6.258	.00850	.01020	.01150	.06930	.00170	.05780	-.05960
.597	8.260	.00850	.01020	.01150	.06930	.00170	.05780	-.05140
.597	GRADIENT	.00000	.00000	.00133	.00173	.00000	.00040	.01143

RUN NO. 575/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.798	-6.247	.00000	.01020	.01150	.03960	.01020	.02810	-.15000
.798	-2.133	.00000	.01020	.01150	.03960	.01020	.02810	-.27020
.798	-1.080	.00000	.01020	.01150	.03960	.01020	.02810	-.29210
.799	.001	.00000	.01020	.01150	.03960	.01020	.02810	-.10890
.799	.521	.00000	.01020	.01150	.03960	.01020	.02810	-.09250
.799	1.046	.00000	.01020	.01150	.03960	.01020	.02810	-.08430
.798	2.109	.00000	.01020	.01150	.03960	.01020	.02810	-.08430
.799	3.155	.00000	.01020	.01150	.02970	.01020	.01820	-.12540
.798	4.199	.00000	.01020	.01150	.03960	.01020	.02810	-.16090
.797	6.268	.00000	.01020	.01150	.03960	.01020	.02810	-.10070
.796	8.330	.00000	.01020	.01150	.03960	.01020	.02810	-.02680
.796	GRADIENT	.00000	.00000	.00000	-.00069	.00000	-.00069	.02215

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

PAGE 1491

AMES 118-1-11 OAI45A 01

(02F0A0) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPOBRK = 55.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 572/ 0		RN/L = 4.95		GRADIENT INTERVAL = -5.00/ 5.00				
MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.899	-6.253	.02550	.01020	.01150	.02970	-.01530	.01820	-.10890
.901	-2.129	.02550	.01020	.01150	.02970	-.01530	.01820	-.29210
.900	-1.070	.02550	.01020	.01150	.02970	-.01530	.01820	-.33580
.899	.015	.02550	.01020	.01150	.02970	-.01530	.01820	-.36860
.900	.537	.02550	.01020	.01150	.02970	-.01530	.01820	-.10070
.899	1.064	.02550	.01020	.01150	.02970	-.01530	.01820	-.11710
.898	2.132	.02550	.01020	.01150	.02970	-.01530	.01820	-.15000
.900	3.184	.02550	.01020	.01150	.02970	-.01530	.01820	-.18280
.898	4.228	.02550	.01020	.01150	.02970	-.01530	.01820	-.25930
.896	6.307	.02550	.01020	.01150	.02970	-.01530	.01820	-.34670
.896	8.372	.00850	.01020	.01150	.02970	.00170	.01820	-.15000
	GRADIENT	.00000	.00000	.00000	.00000	-.00000	.00000	.01879

RUN NO. 553/ 0		RN/L = 4.98		GRADIENT INTERVAL = -5.00/ 5.00				
MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.951	-6.277	.01700	.01020	.00000	.02970	-.00680	.02970	-.10070
.952	-2.137	.01700	.01020	.01150	.02970	-.00680	.01820	-.13360
.950	-1.078	.01700	.01020	.01150	.02970	-.00680	.01820	-.15000
.949	.005	.01700	.01020	.01150	.02970	-.00680	.01820	-.15000
.951	.531	.01700	.01020	.00000	.02970	-.00680	.02970	-.15000
.950	1.053	.01700	.01020	.01150	.02970	-.00680	.01820	-.15000
.948	2.125	.01700	.01020	.01150	.02970	-.00680	.01820	-.15000
.948	3.176	.00850	.01020	.01150	.02970	.00170	.01820	-.13360
.947	4.223	.00000	.01020	.01150	.02970	.01020	.01820	-.14180
.946	6.307	.02550	.01020	.01150	.02970	-.01530	.01820	-.15000
.945	8.372	.02550	.01020	.01150	.03960	-.01530	.02810	-.15000
	GRADIENT	-.00232	.00000	.00017	.00000	.00232	-.00017	.00035

0A145 TABULATED FORCE DATA

DATE 10 MAR 80

(DEF0A0) (08 JUL 77)

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPOBRK = 55.000 RUDDER = .000
RN/L = 5.000

RUN NO. 542/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH
1.201
1.203
1.202
1.202
1.201
1.201
1.201
1.202
1.199
1.198
1.196

BETA
-6.263
-2.120
-1.069
.012
.533
1.055
2.123
3.171
4.217
6.304
8.377

GRADIENT
-0.00398
-0.00143
-0.00000
-0.00000
-0.00000
-0.00000
-0.00000
-0.00000
-0.00000
-0.00000
-0.00000

ELV-LO .01700
ELV-LI .01020
ELV-RO .01150
ELV-RI .03960
DEL .00680
DELR .02810
DRHL .015000

ELV-LO .01700
ELV-LI .01020
ELV-RO .01150
ELV-RI .03960
DEL .00680
DELR .02810
DRHL .015000

ELV-LO .01700
ELV-LI .01020
ELV-RO .01150
ELV-RI .03960
DEL .00680
DELR .02810
DRHL .015000

ELV-LO .01700
ELV-LI .01020
ELV-RO .01150
ELV-RI .03960
DEL .00680
DELR .02810
DRHL .015000

(02F0A1) (08 JUL 77)

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPOBRK = 55.000 RUDDER = .000
RN/L = 5.000

RUN NO. 589/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH
.598
.598
.598
.598
.598
.598
.598
.598
.597
.597

BETA
-6.032
-1.942
-.902
.025
.512
1.026
2.093
3.136
4.168
6.224

GRADIENT
-0.00000
-0.00000
-0.00000
-0.00000
-0.00000
-0.00000
-0.00000
-0.00000
-0.00000
-0.00000

ELV-LO .00850
ELV-LI .01020
ELV-RO .00000
ELV-RI .03960
DEL .00170
DELR .03960
DRHL .013360

ELV-LO .00850
ELV-LI .01020
ELV-RO .00000
ELV-RI .03960
DEL .00170
DELR .03960
DRHL .013360

ELV-LO .00850
ELV-LI .01020
ELV-RO .00000
ELV-RI .03960
DEL .00170
DELR .03960
DRHL .013360

ELV-LO .00850
ELV-LI .01020
ELV-RO .00000
ELV-RI .03960
DEL .00170
DELR .03960
DRHL .013360

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(02F0A1) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDDBRK = 55.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 582/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.800	-6.051	.00850	.01020	.01150	.02970	.00170	.01820	.16210
.799	-1.945	.00850	.01020	.01150	.02970	.00170	.01820	-.16090
.798	-.910	.00850	.01020	.01150	.02970	.00170	.01820	-.25930
.798	.036	.00850	.01020	.01150	.02970	.00170	.01820	-.14180
.800	.494	.00850	.01020	.01150	.02970	.00170	.01820	-.14180
.800	1.018	.00850	.01020	.01150	.02970	.00170	.01820	-.14180
.799	2.084	.00850	.01020	.01150	.02970	.00170	.01820	-.20460
.800	3.124	.00850	.01020	.01150	.02970	.00170	.01820	-.29210
.798	4.160	.00850	.01020	.01150	.02970	.00170	.01820	-.17190
.797	6.239	.00850	.01020	.01150	.02970	.00170	.01820	-.29210
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00681

RUN NO. 567/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.902	-6.116	.00850	.01020	.01150	.02970	.00170	.01820	-.16090
.900	-1.968	.00850	.01020	.01150	.02970	.00170	.01820	-.13360
.900	-.920	.01700	.01020	.01150	.02970	-.00680	.01820	-.14180
.899	.140	.01700	.01020	.01150	.02970	-.00680	.01820	-.15000
.899	.628	.01700	.01020	.01150	.02970	-.00680	.01820	-.15000
.900	1.152	.01700	.01020	.01150	.02970	-.00680	.01820	-.15000
.899	2.206	.01700	.01020	.01150	.02970	-.00680	.01820	-.16090
.899	3.257	.01700	.01020	.01150	.02970	-.00680	.01820	-.15000
.899	4.297	.01700	.01020	.01150	.02970	-.00680	.01820	-.18280
.895	6.368	.00850	.01020	.01150	.02970	.00170	.01820	-.14180
	GRADIENT	.00085	.00000	.00000	.00000	-.00085	.00000	-.00598

RUN NO. 556/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.950	-6.140	.02550	.01020	.02300	.02970	-.01530	.00670	-.09250
.950	-1.978	.03400	.01020	.01150	.02970	-.02380	.01820	-.16090
.950	-.928	.03400	.01020	.01150	.02970	-.02380	.01820	-.11710
.950	.136	.03400	.01020	.01150	.02970	-.02380	.01820	-.12540
.949	.624	.03400	.01020	.01150	.02970	-.02380	.01820	-.12540
.950	1.143	.03400	.01020	.01150	.02970	-.02380	.01820	-.13360
.948	2.200	.03400	.01020	.01150	.02970	-.02380	.01820	-.13360
.948	3.248	.00850	.01020	.01150	.02970	.00170	.01820	-.14180
.948	4.289	.00850	.01020	.01150	.02970	.00170	.01820	-.15000
.946	6.363	.00850	.01020	.02300	.03960	.00170	.01660	-.10890
	GRADIENT	-.00444	.00000	-.00000	.00000	.00444	.00000	-.00102

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

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(DEFOAI) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA
ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPOBRK = 55.000 RUDDER = .000
RN/L = 5.000

RUN NO. 552/ 0 RN/L = 4.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.101	-6.116	.02550	.01020	.02300	.02970	-.01530	.00670	-.13360
1.099	-1.968	.02550	.01020	.01150	.02970	-.01530	.01820	-.15000
1.100	-.927	.02550	.01020	.01150	.02970	-.01530	.01820	-.15000
1.100	.129	.02550	.01020	.01150	.02970	-.01530	.01820	-.13360
1.099	.641	.02550	.01020	.01150	.02970	-.01530	.01820	-.13360
1.100	1.146	.02550	.01020	.01150	.02970	-.01530	.01820	-.13360
1.098	2.189	.03400	.01020	.01150	.02970	-.02380	.01820	-.14180
1.098	3.230	.03400	.01020	.01150	.02970	-.02380	.01820	-.15000
1.098	4.266	.02550	.01020	.01150	.02970	-.01530	.01820	-.15000
1.098	6.339	.02550	.01020	.01150	.02970	-.01530	.01820	-.15000
	GRADIENT	.00091	.00000	.00000	.00000	-.00091	.00000	.00044

RUN NO. 538/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.201	-6.123	.00000	.00000	.01150	.03960	.00000	.02810	-.10070
1.201	-1.957	.00850	.00000	.00000	.03960	-.00850	.03960	-.13360
1.199	-.921	.00850	.00000	.00000	.03960	-.00850	.03960	-.13360
1.200	.030	.01700	.01020	.00000	.03960	-.00680	.03960	-.13360
1.200	.691	.00000	.01020	.00000	.03960	.01020	.03960	-.13360
1.201	1.158	.00000	.01020	.01150	.03960	.00170	.02810	-.14180
1.200	2.191	.00850	.01020	.01150	.03960	-.00850	.03960	-.14180
1.200	3.239	.00850	.00000	.00000	.03960	-.00850	.02810	-.14180
1.201	4.275	.02550	.00000	.01150	.03960	-.02550	.02810	-.14180
1.197	6.353	.01700	.00000	.01150	.03960	-.01700	.02810	-.14180
	GRADIENT	.00157	-.00009	.00154	-.00000	-.00156	-.00154	-.00173

RUN NO. 530/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.297	-6.081	.00000	.01020	.02300	.00000	.01020	-.02300	-.15000
1.301	-1.964	.00000	.01020	.02300	.00000	.01020	-.02300	-.15000
1.299	-.920	.00000	.01020	.02300	.00000	.01020	-.02300	-.15000
1.298	.151	.00000	.01020	.02300	.00000	.01020	-.02300	-.15000
1.298	.627	.00000	.01020	.02300	.00000	.01020	-.02300	-.15000
1.298	1.154	.00000	.01020	.02300	.00000	.01020	-.02300	-.15000
1.299	2.207	.00000	.01020	.02300	.00000	.01020	-.02300	-.15000
1.299	3.261	.00850	.01020	.02300	.00000	.00170	-.02300	-.15000
1.297	4.303	.00850	.01020	.02300	.00000	.00170	-.02300	-.15000
1.296	6.377	.00000	.01020	.02300	.00000	.01020	-.02300	-.15000
1.294		.00148	.00000	-.00000	.00000	-.00148	.00000	-.00000

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(DEF0A1) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 ELEVON = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO AILRON = .000 BDFLAP = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPDBRK = 55.000 RUDDER = .000
 SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 518/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.403	-6.119	.05950	.01020	.02300	.00990	-.04930	-.01310	-.15000
1.406	-1.976	.05950	.01020	.02300	.00990	-.04930	-.01310	-.17190
1.406	-.924	.05950	.01020	.02300	.00990	-.04930	-.01310	-.17190
1.406	.150	.05950	.00000	.02300	.00990	-.05950	-.01310	-.17190
1.404	.629	.05950	.00000	.02300	.00990	-.05950	-.01310	-.18280
1.403	1.153	.05950	.00000	.02300	.00990	-.05950	-.01310	-.18280
1.404	2.214	.05950	.00000	.02300	.00990	-.05950	-.01310	-.17190
1.402	3.267	.05950	.00000	.02300	.00990	-.05950	-.01310	-.18280
1.402	4.313	.05950	.00000	.02300	.00990	-.05950	-.01310	-.18280
1.400	6.402	.05950	.00000	.02300	.00990	-.05950	-.01310	-.18280
	GRADIENT	.00000	-.00168	.00000	.00000	-.00168	-.00000	-.00061

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 10.000 ELEVON = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO AILRON = .000 BDFLAP = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPDBRK = 55.000 RUDDER = .000
 SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

(DEF0A2) (08 JUL 77)

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RUN NO. 591/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.598	-6.045	.03400	.01020	.01150	.07920	-.02380	.06770	.07180
.597	-1.990	.03400	.01020	.00000	.07920	-.02380	.07920	-.07610
.597	-.972	.03400	.01020	.01150	.08910	-.02380	.07760	-.15000
.597	.059	.03400	.01020	.01150	.08910	-.02380	.07760	-.15000
.597	.557	.03400	.01020	.01150	.08910	-.02380	.07760	-.16090
.597	1.059	.03400	.01020	.01150	.09900	-.02380	.08750	-.17190
.598	2.094	.03400	.01020	.01150	.09900	-.02380	.08750	-.20460
.597	3.122	.03400	.01020	.01150	.09900	-.02380	.08750	-.22650
.596	4.163	.03400	.01020	.01150	.10890	-.02380	.09740	-.30300
.598	6.231	.03400	.01020	.01150	.10890	-.02380	.09740	-.31390
.598	8.292	.03400	.01020	.01150	.10890	-.02380	.09740	-.15000
	GRADIENT	.00000	.00000	.00117	.00419	-.00000	.00303	-.03108

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(DEFOAR) (00 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPDBRK = 55.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 576/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.799	-6.138	.00850	.01020	.01150	.02970	.00170	.01820	-.15000
.798	-1.992	.00000	.01020	.01150	.02970	.01020	.01820	-.10890
.799	-.938	.00000	.01020	.01150	.02970	.01020	.01820	-.11710
.797	.130	.00850	.01020	.01150	.02970	.00170	.01820	-.12540
.799	.650	.00000	.01020	.01150	.02970	.01020	.01820	-.14180
.798	1.186	.00850	.01020	.01150	.02970	.00170	.01820	-.14180
.799	2.240	.00850	.01020	.01150	.02970	.00170	.01820	-.15000
.799	3.295	.00850	.01020	.01150	.02970	.00170	.01820	-.16090
.797	4.336	.00850	.01020	.01150	.02970	.00170	.01820	-.22650
.797	6.396	.00850	.01020	.01150	.02970	.00170	.01820	-.23740
.799	8.425	.01700	.01020	.01150	.02970	-.00580	.01820	-.31390
	GRADIENT	.00152	.00000	.00000	.00002	-.00152	.00002	-.01567

RUN NO. 573/ 0 RN/L = 4.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.900	-6.119	.01700	.01020	.01150	.02970	-.00580	.01820	-.12540
.900	-2.024	.01700	.01020	.01150	.02970	-.00580	.01820	-.09250
.900	-.991	.01700	.01020	.01150	.02970	-.00580	.01820	-.19370
.900	.053	.00850	.01020	.01150	.02970	.00170	.01820	-.08430
.899	.557	.00850	.01020	.01150	.02970	.00170	.01820	-.11710
.900	1.065	.00850	.01020	.01150	.02970	.00170	.01820	-.15000
.899	2.117	.00850	.01020	.01150	.02970	.00170	.01820	-.16090
.899	3.159	.00850	.01020	.01150	.02970	.00170	.01820	-.08430
.898	4.216	.01700	.01020	.01150	.02970	-.00580	.01820	-.15000
.899	6.301	.02550	.01020	.01150	.02970	-.01530	.01820	-.17190
.899	8.380	.00850	.01020	.01150	.03960	.00170	.02810	-.19370
	GRADIENT	-.00052	.00000	-.00000	.00000	.00052	.00000	-.00122

(02F0A2) (08 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 10.000 ELEVON = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO AILRON = .000 BDFLAP = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPOBRK = 55.000 RUDDER = .000
 SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 554/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.950	-6.149	.02550	.01020	.01150	.02970	-.01530	.01820	.00610
.950	-2.044	.02550	.01020	.02300	.02970	-.01530	.00670	-.10890
.950	-1.007	.02550	.01020	.02300	.02970	-.01530	.00670	-.12540
.949	.040	.02550	.01020	.01150	.02970	-.01530	.01820	-.10890
.948	.547	.02550	.01020	.01150	.02970	-.01530	.01820	-.10890
.949	1.059	.02550	.01020	.01150	.02970	-.01530	.01820	-.10070
.949	2.115	.02550	.01020	.02300	.02970	-.01530	.00670	-.09250
.948	3.161	.02550	.01020	.02300	.02970	-.01530	.00670	-.10070
.948	4.219	.02550	.01020	.02300	.02970	-.01530	.00670	-.11710
.948	6.313	.02550	.01020	.02300	.02970	-.01530	.00670	-.13360
.949	8.392	.02550	.01020	.02300	.02970	-.01530	.00670	-.15000
	GRADIENT	.00000	.00000	.00052	.00000	-.00000	-.00052	.00141

RUN NO. 547/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.202	-6.144	.01700	.01020	.02300	.03960	-.00680	.01660	-.13360
1.203	-2.044	.01700	.01020	.02300	.04950	-.00680	.02650	-.13360
1.199	-1.008	.01700	.01020	.02300	.03960	-.00680	.01660	-.14180
1.199	.036	.01700	.01020	.02300	.03960	-.00680	.01660	-.14180
1.200	.541	.01700	.01020	.02300	.04950	-.00680	.02650	-.14180
1.200	1.063	.01700	.01020	.02300	.04950	-.00680	.02650	-.14180
1.199	2.122	.00850	.01020	.02300	.03960	.00170	.01660	-.15000
1.197	3.170	.01700	.01020	.02300	.03960	-.00680	.01660	-.15000
1.198	4.227	.01700	.01020	.02300	.04950	-.00680	.02650	-.15000
1.197	6.316	.02550	.01020	.02300	.04950	-.01530	.02650	-.15000
1.197	8.389	.01700	.01020	.02300	.03960	-.00680	.01660	-.14180
	GRADIENT	-.00031	.00000	.00000	-.00009	.00031	-.00009	-.00224

DATE 10 MAR 80

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(02F0A2) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
A1LRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 5.000

RUN NO. 526/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.294	-6.180	.00000	.02040	.02300	.00990	.02040	-.01310	-.15000
1.300	-2.018	.00000	.02040	.02300	.00990	.02040	-.01310	-.16090
1.300	-.940	.00000	.02040	.02300	.00990	.02040	-.01310	-.17190
1.298	.156	.00000	.02040	.02300	.00990	.02040	-.01310	-.17190
1.296	.584	.00000	.02040	.02300	.00990	.02040	-.01310	-.17190
1.297	1.235	.00000	.01020	.02300	.00990	.01020	-.01310	-.18280
1.296	2.303	.00000	.01020	.02300	.00990	.01020	-.01310	-.19370
1.297	3.367	.00000	.01020	.02300	.00990	.01020	-.01310	-.20460
1.294	4.410	.00000	.01020	.02300	.00990	.01020	-.01310	-.20460
1.294	6.476	.00000	.01020	.02300	.00990	.01020	-.01310	-.20460
1.292	8.495	.04250	.00000	.02300	.00990	-.04250	-.01310	-.03890
	GRADIENT	.00000	-.00211	.00000	-.00000	-.00211	-.00000	-.00623

RUN NO. 525/ 0 RN/L = 4.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.401	-6.201	.00850	.01020	.01150	.00990	.00170	-.00160	-.15000
1.406	-2.021	.00850	.02040	.01150	.00990	.01190	-.00160	-.18280
1.406	-.942	.00850	.02040	.02300	.00990	.01190	-.00160	-.19370
1.406	.152	.00850	.02040	.01150	.00990	.01190	-.00160	-.20460
1.405	.683	.00850	.02040	.02300	.00990	.01190	-.00160	-.20460
1.403	1.232	.00000	.02040	.01150	.00990	.02040	-.00160	-.20460
1.402	2.299	.00000	.02040	.01150	.00990	.02040	-.00160	-.20460
1.402	3.369	.00000	.02040	.02300	.00990	.02040	-.00160	-.21560
1.402	4.416	.00000	.02040	.01150	.00990	.02040	-.00160	-.23740
1.400	6.494	.00000	.02040	.01150	.00990	.02040	-.00160	-.24840
1.398	8.517	.00850	.02040	.01150	.00990	.01190	-.00160	-.20460
	GRADIENT	-.00173	.00000	.00025	.00000	.00173	-.00025	-.00426

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REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO

LREF = 474.8100 INCHES YMRP = .0000 IN. YO

BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO

SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000

AIRLON = .000 BDFLAP = .000

SPDBRK = 55.000 RUDDER = .000

RN/L = 5.000

RUN NO. 592/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.598	-6.090	.02550	.01020	.00000	.02970	-.01530	.02970	.01430
.595	-1.994	.02550	.01020	.00000	.02970	-.01530	.02970	-.27020
.598	-.957	.02550	.01020	.00000	.02970	-.01530	.02970	-.09250
.598	.090	.02550	.01020	.00000	.02970	-.01530	.02970	-.11710
.598	.598	.03400	.01020	.00000	.03960	-.02380	.03960	-.12540
.598	1.108	.02550	.01020	.00000	.03960	-.01530	.03960	-.15000
.598	2.134	.03400	.01020	.00000	.03960	-.02380	.03960	-.18280
.598	3.171	.02550	.01020	.00000	.04950	-.01530	.04950	-.22650
.598	4.216	.03400	.01020	.00000	.04950	-.02380	.04950	-.31390
.598	6.276	.03400	.01020	.00000	.05940	-.02380	.05940	-.19370
.598	8.344	.04250	.01020	.00000	.05940	-.03230	.05940	-.20320
.598	GRADIENT	.00108	.00000	.00000	.00371	-.00108	.00371	-.01694

RUN NO. 574/ 0 RN/L = 4.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.902	-6.159	.00850	.01020	.01150	.03960	.00170	.02810	-.22650
.899	-2.028	.00850	.01020	.01150	.03960	.00170	.02810	-.31390
.900	-.982	.00850	.01020	.02300	.03960	.00170	.01660	-.12540
.900	.071	.00850	.01020	.02300	.03960	.00170	.01660	-.16090
.900	.586	.00850	.01020	.01150	.02970	.00170	.01820	-.19370
.900	1.102	.00850	.01020	.02300	.02970	.00170	.00670	-.17190
.900	2.140	.00850	.01020	.02300	.03960	.00170	.01660	-.21560
.899	3.188	.00850	.01020	.02300	.02970	.00170	.00670	-.20460
.900	4.242	.00850	.01020	.02300	.03960	.00170	.01660	-.19370
.899	6.326	.00850	.01020	.02300	.02970	.00170	.00670	-.18280
.899	8.412	.00850	.01020	.02300	.02970	.00170	.00670	-.23740
.899	GRADIENT	-.00000	.00000	.00132	-.00057	.00000	-.00188	.00497

0A145 TABULATED FORCE DATA

DATE 10 MAR 80

(DEF0A3) (08 JUL 77)

AMES 118-1-11 0A145A 01

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDRK = 55.000 RUDDER = .000
RN/L = 5.000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

RUN NO. 555/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRML
.952	-6.184	.02550	.01020	.01150	.02970	-.01530	.01820	-.20110
.951	-2.046	.02550	.01020	.02300	.02970	-.01530	.00670	-.10070
.948	-.996	.02550	.01020	.02300	.02970	-.01530	.00670	-.13360
.950	.059	.02550	.01020	.02300	.02970	-.01530	.00670	-.14180
.947	.575	.02550	.01020	.02300	.02970	-.01530	.00670	-.14180
.948	1.094	.02550	.01020	.02300	.02970	-.01530	.00670	-.15000
.949	2.134	.02550	.01020	.02300	.02970	-.01530	.00670	-.15000
.947	3.182	.02550	.01020	.02300	.02970	-.01530	.00670	-.15000
.948	4.237	.02550	.01020	.02300	.02970	-.01530	.00670	-.13360
.947	6.325	.02550	.01020	.02300	.02970	-.01530	.00670	-.14180
.943	8.412	.02550	.01020	.02300	.02970	-.01530	.00670	-.00635
	GRADIENT	.00000	.00000	.00000	.00000	-.00000	.00000	

RUN NO. 546/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRML
1.201	-6.184	.01700	.01020	.02300	.03960	-.00680	.01660	-.12540
1.201	-2.055	.01700	.01020	.02300	.04950	-.00680	.02650	-.14180
1.199	-1.005	.01700	.01020	.02300	.04950	-.00680	.02650	-.14180
1.200	.050	.01700	.01020	.02300	.04950	-.00680	.02650	-.15000
1.200	.569	.01700	.01020	.02300	.04950	-.00680	.02650	-.15000
1.200	1.096	.01700	.01020	.02300	.04950	-.01530	.02650	-.15000
1.200	2.141	.02550	.01020	.02300	.04950	-.01530	.02650	-.13360
1.200	3.186	.02550	.01020	.02300	.04950	-.01530	.02650	-.11710
1.199	4.240	.02550	.01020	.03450	.04950	-.03230	.01500	-.10890
1.198	6.333	.04250	.01020	.02300	.04950	-.05780	.02650	-.11710
1.198	8.412	.06800	.01020	.02300	.04950	-.00178	.00000	.00320
	GRADIENT	.00178	.00000	.00000	.00000	-.00178	.00000	

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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AVES 118-1-11 OAI45A 01

(02F0A3) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 15.000 ELEVON = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO AILRON = .000 BOFLAP = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO RN/L = 5.000 RUDDER = .000
 SCALE = .0500

PARAMETRIC DATA

RUN NO. 527/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.293	-6.212	.0000	.01020	.02300	.00990	.01020	-.01310	-.15000
1.296	-2.058	.0000	.01020	.02300	.00990	.01020	-.01310	-.15000
1.297	-1.003	.0000	.01020	.02300	.00990	.01020	-.01310	-.15000
1.296	.066	.0000	.01020	.02300	.00990	.01020	-.01310	-.15000
1.296	.578	.0000	.01020	.02300	.00000	.01020	-.02300	-.15000
1.296	1.106	.0000	.01020	.02300	.00000	.01020	-.02300	-.15000
1.295	2.155	.0000	.01020	.02300	.00000	.01020	-.01310	-.15000
1.295	3.205	.0000	.01020	.02300	.00990	.01020	-.02300	-.15000
1.295	4.272	.0000	.01020	.02300	.00000	.01020	-.02300	-.15000
1.293	6.366	.0000	.01020	.02300	.00000	.01020	-.02300	-.15000
1.294	8.457	.00850	.01020	.02300	.00000	.00170	-.02300	-.15000
	GRADIENT	.00000	.00000	.00000	-.00120	.00000	-.00125	-.00000

RUN NO. 524/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.396	-6.145	.0000	.01020	.01150	.01980	.01020	.00830	-.14180
1.399	-1.957	.0000	.01020	.01150	.01980	.01020	.00830	-.16090
1.398	-.875	.0000	.01020	.01150	.01980	.01020	.00830	-.16090
1.398	.201	.0000	.01020	.01150	.01980	.01020	.00830	-.17190
1.397	.722	.0000	.01020	.01150	.01980	.01020	.00830	-.17190
1.396	1.267	.0000	.01020	.01150	.00990	.01020	-.00160	-.17190
1.396	2.347	.0000	.01020	.01150	.01980	.01020	.00830	-.18280
1.396	3.413	.0000	.01020	.01150	.01980	.01020	.00830	-.19370
1.398	4.461	.00850	.01020	.01150	.00990	.00170	-.00160	-.20460
1.393	6.552	.00850	.01020	.01150	.00990	.00170	-.00160	-.22650
1.394	8.566	.02550	.02040	.01150	.00990	-.00510	-.00160	-.23740
	GRADIENT	.00086	.00000	-.00000	-.00102	-.00086	-.00102	-.00696

(02F0A4) (08 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = .000 BETA = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELEVON = .000 AILRON = .000
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO BDFLAP = .000 SPDBRK = 55.000
SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 593/ 0		RN/L = 4.95		GRADIENT INTERVAL = -5.00/ 5.00	
MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI
.598	-14.970	.00850	.01020	.00000	.04950
.598	-10.771	.00850	.01020	.00000	.04950
.598	-4.924	.00850	.01020	.01150	.04950
.598	-2.442	.00850	.01020	.01150	.04950
.598	.123	.01700	.01020	.01150	.05940
.598	2.479	.00850	.01020	.01150	.06930
.598	4.996	.00850	.01020	.01150	.07920
.598	10.051	.01700	.01020	.01150	.08910
.598	15.022	.01700	.01020	.01150	.03960
.598	18.116	.00850	.01020	.01150	.03960
.598	22.658	.01700	.01020	.01150	.04950
	GRADIENT	-.00002	.00000	.00000	.00320

RUN NO. 577/ 0		RN/L = 4.99		GRADIENT INTERVAL = -5.00/ 5.00	
MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI
.798	-14.940	.01700	.01020	.01150	.02970
.799	-10.709	.01700	.01020	.01150	.02970
.799	-4.961	.01700	.01020	.01150	.02970
.799	-2.459	.01700	.01020	.01150	.02970
.800	-.103	.01700	.01020	.01150	.02970
.800	2.505	.01700	.01020	.01150	.02970
.799	4.996	.01700	.01020	.01150	.02970
.799	10.027	.01700	.01020	.01150	.02970
.800	14.996	.01700	.01020	.01150	.02970
.799	18.107	.01700	.01020	.01150	.02970
.798	22.818	.01700	.01020	.01150	.02970
	GRADIENT	-.00000	.00000	-.00000	-.00000

DELTA
-18.04400
-13.04900
-5.99180
-2.97460
-.15000
3.01920
6.07880
12.18500
18.10500
21.73100
26.95700
1.21704

DELTA
-18.00800
-12.97400
-6.03730
-2.99440
-.12540
3.05070
6.07880
12.15600
18.07400
21.72100
27.13800
1.21704

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = .000 BETA = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELEVON = .000 AILRON = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO BDFLAP = .000 SPDBRK = 55.000
 SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 571/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.900	-14.970	.02550	.01020	.01150	.02970	-.01530	.01820	-18.04400
.901	-10.754	.02550	.01020	.01150	.02970	-.01530	.01820	-13.02800
.901	-4.947	.02550	.01020	.01150	.02970	-.01530	.01820	-6.01910
.900	-2.418	.02550	.01020	.01150	.02970	-.01530	.01820	-2.94490
.901	-.089	.02550	.01020	.01150	.02970	-.01530	.01820	-.10890
.899	2.513	.02550	.01020	.01150	.02970	-.01530	.01820	3.06120
.900	5.014	.02550	.01020	.01150	.02970	-.01530	.01820	6.10130
.900	10.011	.02550	.01020	.01150	.02970	-.01530	.01820	12.13700
.900	15.014	.02550	.01020	.01150	.02970	-.01530	.01820	18.09500
.899	18.143	.02550	.01020	.01150	.02970	-.01530	.01820	21.76200
.900	19.608	.02550	.01020	.01150	.02970	-.01530	.01820	23.46100
	GRADIENT	.00000	-.00000	.00000	.00000	.00000	.00000	1.21728

RUN NO. 558/ 0 RN/L = 4.37 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.951	-14.970	.00000	.01020	.01150	.02970	.01020	.01820	-18.04400
.952	-10.762	.00000	.01020	.02300	.03960	.01020	.01660	-13.03800
.951	-4.961	.00000	.01020	.02300	.02970	.01020	.00670	-6.03730
.951	-2.426	.00000	.01020	.02300	.02970	.01020	.00670	-2.95480
.950	-.096	.00000	.01020	.02300	.02970	.01020	.00670	-.11710
.951	2.488	.00000	.01020	.01150	.03960	.01020	.02810	3.02970
.951	5.024	.00000	.01020	.01150	.02970	.01020	.01820	6.11260
.951	10.027	.00000	.01020	.02300	.02970	.01020	.00670	12.15600
.951	15.022	.00000	.01020	.02300	.02970	.01020	.00670	18.10500
.950	18.125	.00000	.01020	.02300	.03960	.01020	.01660	21.74200
.951	22.771	.00000	.01020	.02300	.03960	.01020	.01660	27.08500
	GRADIENT	.00000	-.00000	-.00141	.00121	-.00000	.00263	1.21726

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(D2FOA4) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

ALPHA = .000 BETA = .000
 ELEVON = .000 AILRON = .000
 BOFLAP = .000 SPDBRK = 55.000
 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 543/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.201	-14.976	.00000	.00000	.01150	.03960	.00000	.02810	-18.05000
1.203	-10.745	.00000	.00000	.01150	.03960	.00000	.02810	-13.01700
1.201	-4.939	.00000	.00000	.01150	.03960	.00000	.02810	-6.01000
1.201	-2.434	.00000	.00000	.01150	.03960	.00000	.02810	-2.96470
1.201	-1.116	.00000	.01020	.01150	.03960	.01020	.02810	-1.14180
1.202	2.531	.00000	.01020	.01150	.03960	.01020	.02810	3.08210
1.201	5.014	.00000	.01020	.02300	.03960	.01020	.01660	6.10130
1.201	10.035	.00000	.01020	.02300	.03960	.01020	.01660	12.16600
1.201	15.031	.00000	.01020	.02300	.03960	.01020	.01660	18.11600
1.200	18.125	.00000	.01020	.02300	.03960	.01020	.01660	21.74200
1.201	22.649	.00000	.01020	.02300	.03960	.01020	.01660	26.94600
	GRADIENT	.00000	.00163	.00000	.00000	.00163	.00000	1.21727

AMES 118-1-11 OAI45A 01

(D2FOA5) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BOFLAP = .000 SPDBRK = 55.000
 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 584/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.597	-14.976	.02550	.01020	.01150	.02970	-.01530	.01820	-18.05000
.598	-10.762	.01700	.01020	.00000	.02970	-.00680	.02970	-13.03800
.599	-4.947	.00850	.01020	.01150	.02970	.00170	.01820	-6.01910
.599	-2.434	.00850	.01020	.01150	.02970	.00170	.01820	-2.96470
.599	-2.13	.00850	.01020	.01150	.02970	.00170	.01820	-2.25930
.598	2.022	.00850	.01020	.01150	.02970	.00170	.01820	2.46290
.598	5.014	.00850	.01020	.01150	.02970	.00170	.01820	6.10130
.598	9.995	.00850	.01020	.01150	.02970	.00170	.01820	12.11800
.598	15.031	.00850	.01020	.01150	.02970	.00170	.01820	18.11600
.597	18.125	.00850	.01020	.01150	.02970	.00170	.01820	21.74200
.598	22.846	.00850	.01020	.01150	.02970	.00170	.02970	27.17000
	GRADIENT	.00000	.00000	.00000	-.00000	.00000	.00000	1.21724

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 BETA = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELEVON = .000 AILRON = .000
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO BDFLAP = .000 SPOBRK = 55.000
SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 583/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.800	.00850	.01020	.01150	.02970	.00170	.01820	-18.00200
.799	.00850	.01020	.01150	.02970	.00170	.01820	-13.03600
.799	.00850	.01020	.01150	.02970	.00170	.01820	-6.02620
.800	.00850	.01020	.01150	.02970	.00170	.01820	-2.95480
.798	.00850	.01020	.01150	.02970	.00170	.01820	-1.2540
.800	.00850	.01020	.01150	.02970	.00170	.01820	3.06120
.799	.00850	.01020	.01150	.02970	.00170	.01820	6.06750
.801	.00850	.01020	.01150	.02970	.00170	.01820	12.15600
.799	.00850	.01020	.01150	.02970	.00170	.01820	18.08500
.800	.00850	.01020	.01150	.02970	.00170	.01820	21.72100
.799	.00850	.01020	.01150	.02970	.00170	.01820	27.17000
GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	1.21704

RUN NO. 568/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.900	.00850	.01020	.01150	.02970	.00170	.01820	-18.05000
.900	.01700	.01020	.01150	.02970	.00580	.01820	-13.01700
.899	.01700	.01020	.01150	.02970	.00580	.01820	-6.01000
.901	.01700	.01020	.01150	.03960	.00580	.02810	-2.95480
.900	.01700	.01020	.01150	.02970	.00580	.01820	-1.1710
.899	.01700	.01020	.01150	.02970	.00580	.01820	3.08210
.900	.01700	.01020	.01150	.02970	.00580	.01820	6.04510
.900	.01700	.01020	.01150	.03960	.00580	.02810	12.13700
.900	.01700	.01020	.01150	.02970	.00580	.01820	18.09500
.899	.01700	.01020	.01150	.02970	.00580	.01820	21.76200
.900	.01700	.01020	.01150	.02970	.00580	.01820	27.13800
GRADIENT	.00000	.00000	.00000	.00039	.00000	.00039	1.21705

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

AMES 118-1-11 OAI45A 01

(02FOA5) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AIRLON = .000
BDFLAP = .000 SPOBRK = .000
RN/L = 5.000

RUN NO. 562/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.951	-14.965	.00850	.01020	.01150	.02970	.00170	.01820	-18.03800
.951	-10.727	.00850	.01020	.01150	.02970	.00170	.01820	-12.99500
.950	-4.947	.00850	.01020	.01150	.02970	.00170	.01820	-6.01910
.949	-2.459	.00850	.01020	.01150	.03960	.00170	.02810	-2.99440
.950	-.096	.00850	.01020	.01150	.03960	.00170	.02810	-.11710
.951	2.505	.00850	.01020	.01150	.02970	.00170	.01820	3.05070
.951	5.024	.00850	.01020	.01150	.03960	.00170	.02810	6.11260
.951	10.027	.00850	.01020	.01150	.02970	.00170	.01820	12.15600
.950	15.005	.00850	.01020	.01150	.02970	.00170	.01820	18.08500
.949	18.134	.00850	.01020	.01150	.02970	.00170	.01820	21.75200
.951	22.780	.00850	.01020	.01150	.02970	.00170	.01820	27.09500
	GRADIENT	.00000	-.00000	.00000	-.00002	.00000	-.00002	1.21728

RUN NO. 541/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.201	-14.976	.00000	.00000	.01150	.03960	.00000	.02810	-18.05000
1.202	-10.745	.00000	.00000	.01150	.03960	.00000	.02810	-13.01700
1.202	-4.954	.00000	.00000	.01150	.03960	.00000	.02810	-6.02820
1.201	-2.434	.00000	.00000	.01150	.03960	.00000	.02810	-2.96470
1.201	-.751	.00000	.00000	.01150	.03960	.00000	.02810	-.91490
1.200	-.103	.00000	.00000	.01150	.03960	.00000	.02810	-.12540
1.202	2.513	.00000	.01020	.01150	.03960	.00000	.02810	3.06120
1.201	5.005	.00000	.01020	.01150	.03960	.01020	.02810	6.09000
1.202	10.027	.00000	.01020	.01150	.03960	.01020	.02810	12.15600
1.202	15.014	.00000	.01020	.01150	.03960	.01020	.02810	18.09500
1.201	18.134	.00000	.00000	.01150	.03960	.00000	.02810	21.75200
1.200	22.677	.00000	.00000	.01150	.03960	.00000	.02810	26.97800
	GRADIENT	.00000	.00000	-.00000	.00000	.00000	.00000	1.21726

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 BETA = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELEVON = .000 AILRON = .000
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO BOFLAP = .000 SPDBRK = 55.000
SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 529/ 0		RN/L = 5.05		GRADIENT INTERVAL = -5.00/ 5.00	
MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI
1.305	-14.752	.00000	.02040	.02300	.00000
1.301	-10.691	.00000	.02040	.02300	.00000
1.299	-5.359	.00000	.02040	.02300	.00000
1.299	-2.751	.00000	.02040	.02300	.00000
1.297	-1.141	.00000	.02040	.02300	.00000
1.299	2.333	.00000	.02040	.02300	.00000
1.299	4.802	.00000	.02040	.02300	.00000
1.299	9.756	.00000	.02040	.02300	.00000
1.299	14.582	.00000	.02040	.02300	.00000
1.299	18.061	.00000	.02040	.02300	.00000
1.298	22.399	.00000	.02040	.02300	.00000
	GRADIENT	.00000	.00000	.00000	.00000

DELL	DELR	DRHL
.02040	-.02300	-17.78600
.02040	-.02300	-12.95200
.02040	-.02300	-6.51910
.02040	-.02300	-3.35080
.02040	-.02300	-1.7190
.02040	-.02300	2.84100
.02040	-.02300	5.84310
.02040	-.02300	11.83100
.02040	-.02300	17.58600
.02040	-.02300	21.66600
.02040	-.02300	26.66200
.00000	.00000	1.21735

RUN NO. 520/ 0		RN/L = 4.97		GRADIENT INTERVAL = -5.00/ 5.00	
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MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI
1.403	-14.736	.00000	.02040	.02300	.01980
1.403	-10.727	.00000	.02040	.02300	.01980
1.405	-5.388	.00000	.01020	.02300	.01980
1.404	-2.784	.00000	.01020	.02300	.01980
1.404	-1.123	.00000	.02040	.02300	.01980
1.404	2.367	.04250	.01020	.02300	.00990
1.404	4.792	.04250	.01020	.02300	.01980
1.404	9.724	.04250	.01020	.02300	.01980
1.404	14.556	.04250	.01020	.02300	.01980
1.404	18.116	.04250	.01020	.02300	.01980
1.403	22.335	.04250	.01020	.02300	.01980
	GRADIENT	.00672	-.00038	.00000	-.00041

DELL	DELR	DRHL
.02040	-.00320	-17.78600
.02040	-.00320	-12.99500
.01020	-.00320	-6.55550
.01020	-.00320	-3.39040
.02040	-.00320	-1.15000
.02040	-.01310	2.88200
.03230	-.00320	5.83160
.03230	-.00320	11.79200
.03230	-.00320	17.55400
.03230	-.00320	21.73100
.03230	-.00320	26.58900
-.00710	-.00041	1.21732

(02F0A5) (08 JUL 77)

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 10.000 BETA = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELEVON = .000 AILRON = .000
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO RN/L = 5.000 SPDBRK = 55.000
SCALE = .0500

PARAMETRIC DATA

RUN NO. 594/ 0		RN/L = 4.96		GRADIENT INTERVAL = -5.00/ 5.00	
MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI
.599	-14.993	.00000	.01020	.01150	.02970
.597	-10.736	.00000	.01020	.01150	.02970
.597	-4.932	.00000	.01020	.01150	.03960
.597	-2.426	.00000	.01020	.01150	.03960
.597	-1.103	.00000	.01020	.01150	.03960
.597	2.496	.00000	.01020	.01150	.03960
.597	4.996	.00000	.01020	.01150	.03960
.597	10.003	.00000	.01020	.01150	.04950
.597	15.005	.00000	.01020	.01150	.04950
.598	18.107	.00000	.01020	.01150	.04950
.599	22.780	.00000	.01020	.01150	.04950
	GRADIENT	.00000	.00000	.00000	.00000

RUN NO. 578/ 0		RN/L = 4.98		GRADIENT INTERVAL = -5.00/ 5.00	
MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI
.798	-14.976	.01700	.01020	.01150	.02970
.799	-10.727	.00850	.01020	.01150	.02970
.798	-4.932	.00850	.01020	.01150	.02970
.799	-2.434	.00850	.01020	.01150	.02970
.799	-1.096	.00850	.01020	.01150	.02970
.799	2.496	.00850	.01020	.01150	.02970
.799	5.014	.00850	.01020	.01150	.02970
.797	10.027	.00850	.01020	.01150	.02970
.798	15.014	.00850	.01020	.01150	.02970
.798	18.107	.01700	.01020	.01150	.02970
.799	22.818	.00850	.01020	.01150	.02970
	GRADIENT	.00000	.00000	.00000	.00000

DELTA

DELTA

DELTA

DELTA

REFERENCE DATA
SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

PARAMETRIC DATA
ALPHA = 10.000 BETA = .000
ELEVON = .000 AIRRON = .000
BDFLAP = .000 SPOBRK = 55.000
RN/L = 5.000

RUN NO. 570/ 0 RN/L = 4.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.899	-14.970	.01700	.01020	.01150	.02970	-.00680	.01820	-18.04400
.901	-10.745	.01700	.01020	.01150	.02970	-.00680	.01820	-13.01700
.900	-4.961	.01700	.01020	.01150	.02970	-.00680	.01820	-6.03730
.902	-2.418	.01700	.01020	.01150	.02970	-.00680	.01820	-2.94490
.902	-1.103	.01700	.01020	.01150	.02970	-.00680	.01820	-.12540
.899	2.522	.01700	.01020	.01150	.02970	-.00680	.01820	3.07160
.901	4.996	.01700	.01020	.01150	.02970	-.00680	.01820	6.07880
.900	10.011	.01700	.01020	.01150	.02970	-.00680	.01820	12.13700
.901	15.014	.01700	.01020	.01150	.02970	-.00680	.01820	16.09500
.901	18.107	.01700	.01020	.01150	.02970	-.00680	.01820	21.72100
.900	22.818	.01700	.01020	.01150	.02970	-.00680	.01820	27.13800
	GRADIENT	.00000	.00000	.00000	-.00000	.00000	-.00000	1.21703

RUN NO. 559/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.952	-14.965	.00850	.01020	.02300	.02970	.00170	.00670	-18.03800
.950	-10.727	.00850	.01020	.02300	.02970	.00170	.00670	-12.99500
.952	-4.961	.00000	.01020	.01150	.02970	.01020	.01820	-6.03730
.951	-2.451	.00850	.01020	.02300	.02970	.00170	.00670	-2.98450
.951	-.089	.00850	.01020	.02300	.02970	.00170	.01820	-.110890
.952	2.505	.00000	.01020	.01150	.02970	.01020	.00670	3.05070
.951	5.005	.00850	.01020	.02300	.02970	.00170	.00670	6.09000
.952	10.011	.00850	.01020	.01150	.02970	.00170	.01820	12.13700
.951	15.005	.00850	.01020	.02300	.02970	.00170	.00670	18.08500
.950	18.107	.01700	.01020	.01150	.02970	-.00680	.00670	21.72100
.950	22.855	.01700	.01020	.01150	.02970	-.00680	.01820	27.18100
	GRADIENT	-.00001	.00000	-.00002	.00000	.00001	.00002	1.21727

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 10.000 BETA = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELEVON = .000 AIRRON = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO BDFLAP = .000 SPDBRK = 55.000
 SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 544/ 0		RN/L = 5.00		GRADIENT INTERVAL = -5.00/ 5.00	
MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI
1.203	-14.965	.0000	.01020	.02300	.03960
1.203	-10.754	.0000	.01020	.02300	.03960
1.202	-4.954	.0000	.01020	.02300	.03960
1.202	-2.451	.0000	.01020	.02300	.03960
1.202	-.096	.0000	.00000	.02300	.03960
1.203	2.522	.0000	.01020	.02300	.03960
1.201	5.024	.0000	.01020	.02300	.03960
1.201	10.027	.0000	.01020	.02300	.03960
1.201	15.005	.0000	.01020	.02300	.03960
1.200	18.143	.0000	.01020	.02300	.03960
1.202	22.677	.0000	.01020	.02300	.03960
	GRADIENT	.00000	-.00038	.00000	.00000

RUN NO. 528/ 0		RN/L = 5.03		GRADIENT INTERVAL = -5.00/ 5.00	
MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI
1.308	-14.741	.0000	.01020	.02300	.00000
1.307	-10.655	.0000	.01020	.02300	.00000
1.300	-5.381	.0000	.01020	.02300	.00000
1.300	-2.792	.0000	.01020	.02300	.00000
1.298	-.089	.0000	.01020	.02300	.00000
1.298	2.307	.0000	.01020	.02300	.00000
1.298	4.848	.0000	.01020	.02300	.00000
1.298	9.740	.0000	.02040	.02300	.00000
1.298	14.538	.0000	.02040	.02300	.00000
1.298	18.080	.0000	.02040	.02300	.00000
1.298	22.445	.0000	.02040	.02300	.00000
	GRADIENT	.00000	.00000	.00000	.00000

DELTA = -18.03800
 DELTA = -13.02800
 DELTA = -6.02820
 DELTA = -2.98450
 DELTA = -1.11710
 DELTA = 3.07160
 DELTA = 6.11260
 DELTA = 12.15600
 DELTA = 18.08500
 DELTA = 21.76200
 DELTA = 26.97800
 DELTA = 1.21726

RUN NO. 528/ 0		RN/L = 5.03		GRADIENT INTERVAL = -5.00/ 5.00	
MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI
1.308	-14.741	.0000	.01020	.02300	.00000
1.307	-10.655	.0000	.01020	.02300	.00000
1.300	-5.381	.0000	.01020	.02300	.00000
1.300	-2.792	.0000	.01020	.02300	.00000
1.298	-.089	.0000	.01020	.02300	.00000
1.298	2.307	.0000	.01020	.02300	.00000
1.298	4.848	.0000	.01020	.02300	.00000
1.298	9.740	.0000	.02040	.02300	.00000
1.298	14.538	.0000	.02040	.02300	.00000
1.298	18.080	.0000	.02040	.02300	.00000
1.298	22.445	.0000	.02040	.02300	.00000
	GRADIENT	.00000	.00000	.00000	.00000

DELTA = -17.77400
 DELTA = -12.90900
 DELTA = -6.54640
 DELTA = -3.40030
 DELTA = -1.0890
 DELTA = 2.80980
 DELTA = 5.89920
 DELTA = 11.81100
 DELTA = 17.53400
 DELTA = 21.68900
 DELTA = 26.71400
 DELTA = 1.21732

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

AMES 118-1-11 OAI45A 01

(02F0A6) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 10.000 BETA = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELEVON = .000 AILRON = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO BDFLAP = .000 SPDBRK = 55.000
 SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 521/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.396	-14.752	.03400	.01020	.02300	.01980	-.02380	-.00320	-17.78600
1.398	-10.682	.03400	.01020	.02300	.01980	-.02380	-.00320	-12.94200
1.400	-5.351	.03400	.01020	.02300	.01980	-.02380	-.00320	-6.51000
1.402	-2.751	.03400	.01020	.02300	.01980	-.02380	-.00320	-3.35000
1.402	-.141	.04250	.01020	.02300	.01980	-.03230	-.00320	-1.7190
1.402	2.358	.03400	.01020	.02300	.01980	-.02380	-.00320	2.87240
1.402	4.820	.04250	.01020	.02300	.01980	-.03230	-.00320	5.86550
1.402	9.692	.03400	.01020	.02300	.01980	-.02380	-.00320	11.75400
1.402	14.521	.04250	.01020	.02300	.01980	-.03230	-.00320	17.51300
1.402	18.080	.04250	.01020	.02300	.01980	-.03230	-.00320	21.68900
1.402	22.427	.04250	.01020	.02300	.01980	-.03230	-.00320	26.69400
1.402	GRADIENT	.00068	.00000	.00000	.00000	-.00068	-.00000	1.21733

AMES 118-1-11 OAI45A 01

(02F0A7) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 15.000 BETA = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELEVON = .000 AILRON = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO BDFLAP = .000 SPDBRK = 55.000
 SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 545/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.196	-14.960	.01700	.00000	.02300	.04950	-.01700	.02650	-18.03200
1.203	-10.745	.01700	.00000	.01150	.04950	-.01700	.03800	-13.01700
1.202	-4.932	.01700	.00000	.02300	.04950	-.01700	.02650	-6.00090
1.202	-2.434	.01700	.01020	.02300	.04950	-.00680	.02650	-2.96470
1.201	-.103	.01700	.01020	.02300	.04950	-.00680	.02650	-.12540
1.199	2.522	.01700	.00000	.02300	.04950	-.00680	.02650	3.07160
1.202	5.024	.01700	.00000	.02300	.04950	-.01700	.02650	6.11260
1.200	10.019	.01700	.01020	.02300	.04950	-.00680	.02650	12.14700
1.202	15.014	.01700	.01020	.02300	.04950	-.00680	.02650	18.09500
1.198	18.116	.01700	.01020	.02300	.04950	-.00680	.02650	21.73100
1.200	22.686	.01700	.01020	.02300	.04950	-.00680	.02650	26.98900
1.200	GRADIENT	.00000	.00124	.00000	-.00000	.00124	.00000	1.21727

OAI45 TABULATED FORCE DATA
AMES 118-1-11 OAI45A 01

DATE 10 MAR 80

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 15.000 BETA = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELEVON = .000 AILRON = .000
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO RND/LAP = .000 SPDBRK = 55.000
SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 522/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.393	-14.731	.03400	.00000	.02300	.01980	-.03400	-.00320	-17.76100
1.394	-10.691	.03400	.00000	.02300	.01980	-.03400	-.00320	-12.95200
1.397	-5.381	.03400	.00000	.02300	.01980	-.03400	-.00320	-6.54640
1.399	-2.776	.03400	.00000	.02300	.01980	-.03400	-.00320	-3.38050
1.398	-.076	.03400	.00000	.02300	.01980	-.03400	-.00320	-.09250
1.398	2.350	.03400	.00000	.02300	.01980	-.03400	-.00320	2.86190
1.398	4.848	.04250	.01020	.02300	.01980	-.03230	-.00320	5.89920
1.398	9.708	.04250	.01020	.02300	.01980	-.03230	-.00320	11.77300
1.398	14.547	.04250	.01020	.02300	.01980	-.03230	-.00320	17.54400
1.398	18.089	.05100	.01020	.02300	.01980	-.04080	-.00320	21.70000
1.398	22.417	.05100	.00000	.02300	.01980	-.05100	-.00320	26.68300
1.398	GRADIENT	.00100	.00120	-.00000	-.00000	.00020	.00000	1.21732

(02F0A8) (08 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO BETA = .000 ELEVON = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YO AILRON = .000 BDFLAP = .000
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPDBRK = 55.000 RUDDER = -5.000
SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 586/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.597	-5.042	.01700	.01020	.00000	.02970	-.00680	.02970	-6.00090
.599	-.062	.02550	.01020	.00000	.02970	-.01530	.02970	-6.01000
.597	2.489	.02550	.01020	.01150	.02970	-.01530	.01820	-6.01910
.597	4.986	.02550	.01020	.00000	.02970	-.01530	.02970	-6.04640
.597	6.889	.01700	.01020	.00000	.02970	-.00680	.02970	-6.03730
.598	8.073	.01700	.01020	.00000	.02970	-.00680	.02970	-6.01910
.598	10.129	.00850	.01020	.00000	.02970	.00170	.02970	-6.02820
.597	12.168	.01700	.01020	.00000	.02970	-.00680	.02970	-6.01910
.598	15.201	.00000	.00000	.00000	.02970	-.00680	.02970	-6.00090
.598	GRADIENT	.00000	.00000	.00002	.00000	.00000	-.00002	-.00720

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

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AMES 118-1-11 0A145A 01

(02F048) (08 JUL 77)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN.	X0	BETA	=	.000	ELEVON	=	.000
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN.	Y0	AIRON	=	.000	BOFLAP	=	.000
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN.	Z0	SPDRBK	=	55.000	RUDDER	=	-5.000
SCALE	=	.0500							RN/L	=	5.000			

PARAMETRIC DATA

RUN NO. 580/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.801	-5.059	.01700	.01020	.01150	.02970	-.00680	.01820	-.16090
.799	-4.714	.00850	.01020	.01150	.03960	.00170	.02810	-5.99180
.796	.038	.00850	.01020	.01150	.02970	.00170	.01820	-.15000
.800	2.593	.00850	.01020	.01150	.02970	.00170	.01820	-5.97360
.142		.00000	.01020	.01150	.02970	.01020	.01820	-5.97360
.800	7.198	.00850	.01020	.01150	.02970	.00170	.01820	-5.98270
.798	8.227	.00850	.01020	.01150	.02970	.00170	.01820	-5.97360
.800	10.238	.00850	.01020	.01150	.02970	.00170	.01820	-5.97360
.800	12.275	.00850	.01020	.01150	.02970	.00170	.01820	-5.97360
.799	15.268	.00850	.01020	.01150	.02970	.00170	.01820	-5.98270
GRADIENT		-.00000	.00000	-.00000	-.00145	-.00000	-.00145	-.15773

RUN NO.	564/ 0	RN/L =	4.96	GRADIENT INTERVAL =	-5.00/	5.00
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MACH	ALPHA	ELV-LO	ELV-L1	ELV-RO	ELV-R1	DELL	DELR	DRHL
.901	-4.349	.00850	.01020	.01150	.02970	.00170	.01820	-6.03730
.901	.833	.00850	.01020	.01150	.02970	.00170	.01820	-6.01910
.900	3.474	.00000	.01020	.01150	.02970	.01020	.01820	-6.01910
.902	6.033	.00850	.01020	.01150	.02970	.00170	.01820	-6.01000
.902	8.150	.00850	.01020	.01150	.02970	.00170	.01820	-6.00090
.899	9.146	.00850	.01020	.01150	.02970	.00170	.01820	-6.01000
.903	11.171	.00850	.01020	.01150	.02970	.00170	.01820	-6.01910
.901	13.188	.00850	.01020	.01150	.02970	.00170	.01820	-6.02820
.901	16.220	.01700	.01020	.01150	.02970	.00680	.01820	-6.03730
	GRADIENT	-.00094	-.00000	.00000	.00000	.00094	.00000	-.00249

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RUN NO. 561 / 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

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[illegible]

(D2F0A8) (08 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDRK = 55.000 RUDDER = -5.000
 RN/L = 5.000

RUN NO. 548/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.201	-4.121	.02550	.01020	.03450	.02970	-.01530	-.00480	-6.02820
1.198	.920	.01700	.01020	.02300	.02970	-.00680	.00670	-6.02820
1.197	3.489	.01700	.01020	.02300	.02970	-.00680	.00670	-6.02820
1.197	6.139	.01700	.01020	.02300	.02970	-.00680	.00670	-6.02820
1.195	8.162	.00850	.01020	.02300	.02970	.00170	.01820	-6.01910
1.197	9.173	.00850	.01020	.01150	.02970	.00170	.00670	-6.01000
1.202	10.302	.01700	.01020	.02300	.02970	-.00680	.00670	-6.01000
1.190	12.258	.01700	.01020	.02300	.02970	.00170	.00670	-6.01000
1.201	15.308	.00850	.01020	.02300	.02970	.00170	.00670	-6.01000
	GRADIENT	-.00120	-.00000	-.00162	-.00000	.00120	.00162	.00000

RUN NO. 532/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.297	-5.122	.00850	.02040	.02300	.00000	.01190	-.02300	-6.48270
1.300	-.086	.00000	.01020	.02300	.00000	.01020	-.02300	-6.48270
1.298	2.488	.00000	.01020	.02300	.00000	.01020	-.02300	-6.63690
1.298	5.125	.00000	.01020	.02300	.00000	.01020	-.02300	-6.67720
1.294	5.709	.00000	.01020	.02300	.00000	.01020	-.02300	-6.67720
1.296	7.165	.00000	.01020	.02300	.00000	.01020	-.02300	-6.66370
1.296	8.157	.00000	.02040	.02300	.00000	.02040	-.02300	-6.65030
1.295	10.201	.00000	.01020	.02300	.00000	.01020	-.02300	-6.65030
1.293	12.260	.00000	.01020	.02300	.00000	.01020	-.02300	-6.65030
1.293	15.291	.00000	.00000	.02300	.00000	.00000	-.02300	-6.65030
1.294		.00000	.00000	.00000	.00000	.00000	.00000	-.05991
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 515/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.404	-5.118	.01700	.01020	.02300	.01980	-.00680	-.00320	-6.52820
1.410	.107	.00850	.01020	.02300	.00990	.00170	-.01310	-6.52820
1.404	2.643	.00850	.02040	.02300	.00990	.01190	-.01310	-6.52820
1.401	5.104	.00850	.01020	.02300	.00990	.00170	-.01310	-6.52820
1.401	7.150	.00000	.01020	.02300	.00990	.01020	-.01310	-6.51910
1.400	8.172	.00000	.01020	.02300	.00990	.01020	-.01310	-6.51910
1.396	10.241	.00850	.01020	.02300	.00990	.00170	-.01310	-6.51910
1.397	12.248	.00000	.01020	.02300	.00990	.01020	-.01310	-6.51910
1.392	15.282	.00850	.01020	.02300	.00990	.00170	-.01310	-6.50090
	GRADIENT	.00000	.00402	.00000	.00000	.00402	.00000	-.00000

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OAI45 TABULATED FORCE DATA

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(02F0A9) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 ELEVON = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO AILRON = .000 BDFLAP = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPBRK = 55.000 RUDDER = -5.000
 SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 587/ 0 RN/L = 4.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.598	-6.022	.01700	.01020	.00000	.02970	-.00680	.02970	-5.97360
.598	-1.928	.01700	.01020	.00000	.02970	-.00680	.02970	-6.01910
.599	-.889	.01700	.01020	.01150	.02970	-.00680	.01820	-6.01000
.598	.031	.01700	.01020	.01150	.02970	-.00680	.01820	-6.02820
.598	.503	.01700	.01020	.01150	.02970	-.00680	.01820	-6.01000
.598	1.037	.01700	.01020	.00000	.02970	-.00680	.02970	-6.01000
.598	2.104	.01700	.01020	.00000	.03960	-.00680	.03960	-6.04640
.597	3.144	.00850	.01020	.00000	.03960	.00170	.03960	-6.03730
.597	4.175	.01700	.01020	.01150	.03960	-.00680	.02810	-6.03730
.597	6.227	.00850	.01020	.01150	.03960	.00170	.02810	-6.05550
	GRADIENT	-.00062	.00000	-.00011	.00215	.00062	.00226	-.00474

RUN NO. 581/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.797	-6.133	.00850	.01020	.01150	.02970	.00170	.01820	-5.91000
.797	-2.024	.00850	.01020	.01150	.02970	.00170	.01820	-5.94640
.799	-.993	.00850	.01020	.01150	.02970	.00170	.01820	-5.96450
.799	.079	.00850	.01020	.01150	.02970	.00170	.01820	-5.98270
.799	.521	.00850	.01020	.01150	.02970	.00170	.01820	-6.01910
.798	1.036	.00850	.01020	.01150	.02970	.00170	.01820	-6.02820
.799	2.111	.00850	.01020	.01150	.02970	.00170	.01820	-6.02820
.799	3.155	.00850	.01020	.01150	.02970	.00170	.01820	-6.06450
.800	4.186	.00850	.01020	.01150	.02970	.00170	.01820	-6.06450
.801	6.365	.00850	.01020	.01150	.02970	.00170	.01820	-6.10090
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.02037

RUN NO. 565/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.901	-6.097	.00850	.01020	.01150	.02970	.00170	.01820	-5.93730
.900	-1.960	.00850	.01020	.01150	.02970	.00170	.01820	-6.01910
.900	-.926	.00850	.01020	.01150	.02970	.00170	.01820	-6.03730
.901	.039	.00850	.01020	.01150	.02970	.00170	.01820	-6.04640
.901	.506	.00850	.01020	.01150	.03960	.00170	.02810	-6.03730
.900	1.039	.00850	.01020	.01150	.02970	.00170	.01820	-6.05550
.899	2.110	.00850	.01020	.01150	.02970	.00170	.01820	-6.05550
.899	3.165	.00850	.01020	.01150	.02970	.00170	.01820	-6.07360
.898	4.224	.00850	.01020	.01150	.02970	.00170	.01820	-6.06450
.898	6.299	.00850	.01020	.01150	.03960	.00170	.02810	-6.01910
	GRADIENT	-.00000	.00000	.00000	-.00017	.00000	-.00017	-.00768

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(02F0A9) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 55.000 RUDDER = -5.000
 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 557/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.950	-6.112	.00850	.01020	.02300	.02970	.00170	.00670	-6.01000
.951	-1.965	.00850	.01020	.02300	.02970	.00170	.00670	-6.02820
.947	-.917	.00850	.01020	.02300	.02970	.00170	.00670	-6.02820
.950	.157	.00850	.01020	.01150	.02970	.00170	.01820	-6.02820
.949	.638	.00850	.01020	.01150	.02970	.00170	.01820	-6.02820
.950	1.160	.01700	.01020	.02300	.02970	-.00680	.00670	-6.02820
.948	2.214	.01700	.01020	.01150	.02970	-.00680	.01820	-6.03730
.948	3.258	.01700	.01020	.01150	.03960	-.00680	.02810	-6.03730
.950	4.295	.01700	.01020	.01150	.02970	-.00680	.01820	-6.04640
.947	6.367	.01700	.01020	.02300	.03960	-.00680	.01660	-6.01910
	GRADIENT	.00180	.00000	-.00189	.00069	-.00180	.00258	-.00286

RUN NO. 539/ 0 RN/L = 4.97

GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.201	-6.113	.00850	.00000	.01150	.03960	-.00850	.02810	-6.11910
1.199	-1.946	.00000	.01020	.00000	.03960	.01020	.03960	-6.15550
1.199	-.910	.00000	.01020	.00000	.03960	.01020	.03960	-6.01000
1.199	.034	-.01010	.01020	.01150	.03960	.02030	.02810	-6.01910
1.201	.590	.01700	.01020	.01150	.03960	-.00680	.02810	-6.01910
1.199	1.075	.01700	.01020	.01150	.03960	-.00680	.02810	-6.02820
1.200	2.143	.02550	.01020	.01150	.03960	-.01530	.02810	-6.02820
1.201	3.187	.03400	.01020	.01150	.03960	-.02380	.02810	-6.03730
1.201	4.231	.04250	.00000	.01150	.03960	-.04250	.02810	-6.03730
1.201	6.325	.02550	.00000	.01150	.03960	-.02550	.02810	-6.05550
	GRADIENT	.00797	-.00108	.00190	.00000	-.00905	-.00190	.00948

RUN NO. 531/ 0 RN/L = 5.02

GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.298	-6.075	.00000	.01020	.02300	.00000	.01020	-.02300	-6.57360
1.300	-1.952	.00000	.01020	.02300	.00000	.01020	-.02300	-6.61000
1.298	-.907	.00000	.01020	.02300	.00000	.01020	-.02300	-6.63690
1.297	.169	.00000	.01020	.02300	.00000	.01020	-.02300	-6.67720
1.298	.639	.00000	.01020	.02300	.00000	.01020	-.02300	-6.69060
1.298	1.165	.00000	.01020	.02300	.00000	.01020	-.02300	-6.69060
1.296	2.220	.01700	.01020	.02300	.00000	-.00680	-.02300	-6.71750
1.298	3.264	.00000	.01020	.02300	.00000	.01020	-.02300	-6.75770
1.296	4.303	.00000	.01020	.02300	.00000	.01020	-.02300	-6.81150
1.294	6.377	.00000	.01020	.02300	.00000	.01020	-.02300	-6.50090
	GRADIENT	.00061	.00000	.00000	.00000	-.00061	.00000	-.03031

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

PAGE 1517

AMES 118-1-11 0A143A 01

(D2F0A9) (08 JUL 77)

REFERENCE DATA

SREF	=	2690.0000	SO.FT.	XMRP	=	1076.6800	IN.	X0	ALPHA	=	5.0000	ELEVON	=	.0000
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN.	Y0	AILRON	=	.0000	BDELAP	=	.0000
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN.	Z0	SPDBRK	=	55.0000	RUDDER	=	-5.0000
SCALE	=	.0500							RN/L	=	5.0000			

RUN NO: 516/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DR-H
1.406	6.112	.0250	.0240	.0230	.0090	-.00510	-.01310	-6.51000
1.406	-1.961	.0250	.0240	.0230	.0090	-.00510	-.01310	-6.58270
1.403	-.916	.02550	.0240	.0230	.0000	.00510	.02300	-6.63690
1.404		.02550	.0240	.0230	.0090	-.00510	-.01310	-6.66370
1.403	.140	.0250	.0240	.0230	.0090	.00510	.01310	-6.66370
1.402	.677	.0250	.0240	.0230	.0090	.00510	.02300	-6.70400
1.403	1.175	.02550	.0240	.0230	.0000	.00510	.02300	-6.75770
1.403	2.223	.02550	.0240	.0230	.0000	.00510	.02300	-6.79800
1.404	3.265	.03400	.0240	.0230	.0090	.01360	-.01310	-6.85180
1.402	4.316	.04250	.0240	.0230	.0000	.02110	.02300	-6.49180
1.400	6.407	.08950	.0240	.0230	.0000	.01190	.02300	-6.49180
	GRADIENT	.0236	.0000	.0000	-.00075	-.00236	-.00075	-.04220

AMES 118-1-11 0A145A 01

(02F080) (08 JUL 77)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN. X0	ALPHA	=	5.0000	ELEVON	=	.0000
LREF	=	474.8180	INCHES	YMRP	=	.0000	IN. Y0	AIRON	=	.0000	BDFLAP	=	.0000
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. Z0	SPOBRK	=	55.0000	RUDDER	=	-22.8000
SCALE	=	.0500						RN/L	=	5.0000			

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RUN NO.      588/ 0      RN/L = 4.96      GRADIENT INTERVAL = -5.00/ 5.00

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[illegible]

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AIRLON = .000 BOFLAP = .000
 SPDBRK = 55.000 RUDDER = -22.600
 RN/L = 5.000

RUN NO. 566/ 0 RN/L = 4.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.900	-6.112	.00850	.01020	.01150	.02970	.00170	.01820	-27.07700
.900	-1.916	.00850	.01020	.01150	.02970	.00170	.01820	-27.07700
.900	-.870	.00850	.01020	.01150	.03960	.00170	.02810	-27.08600
.900	.189	.00850	.01020	.01150	.03960	.00170	.02810	-27.05800
.900	.673	.00850	.01020	.01150	.03960	.00170	.02810	-27.04000
.900	1.193	.00850	.01020	.01150	.03960	.00170	.02810	-27.04000
.900	2.244	.00850	.01020	.01150	.04950	.00170	.03800	-27.04900
.900	3.286	.00850	.01020	.01150	.04950	.00170	.03800	-27.04900
.898	4.323	.00850	.01020	.01150	.04950	.00170	.03800	-27.04900
.895	6.391	.01700	.01020	.01150	.04950	-.00680	.03800	-27.04900
	GRADIENT	-.00000	.00000	.00000	.00308	.00000	.00308	.00572

RUN NO. 540/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.201	-6.095	.00000	.00000	.01150	.03960	.00000	.02810	-27.06800
1.202	-1.922	.00850	.00000	.01150	.03960	-.00850	.02810	-27.07700
1.202	-.885	.00850	.00000	.01150	.03960	-.00850	.02810	-27.07700
1.203	.041	.00850	.00000	.01150	.03960	-.00850	.02810	-27.01200
1.203	.604	.00850	.00000	.01150	.03960	-.00850	.02810	-27.01200
1.202	1.099	.00850	.00000	.01150	.03960	-.00680	.02810	-27.05800
1.201	2.161	.01700	.01020	.01150	.03960	-.03230	.02810	-27.04900
1.203	3.201	.04250	.01020	.01150	.03960	-.05780	.03960	-27.05800
1.203	4.243	.06800	.01020	.00000	.03960	-.01700	.03960	-27.05800
1.199	6.336	.01700	.00000	.00000	.03960	-.01700	.03960	-27.05800
	GRADIENT	.00907	.00219	-.00122	.00000	-.00688	.00122	.00182

RUN NO. 517/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.403	-6.102	.01700	.00000	.02300	.00000	-.01700	-.02300	-27.15100
1.404	-1.942	.01700	.00000	.02300	.00000	-.01700	-.02300	-27.15100
1.404	-.895	.01700	.00000	.02300	.00990	-.01700	-.01310	-27.15100
1.404	.180	.01700	.00000	.02300	.00990	-.01700	-.01310	-27.15100
1.404	.661	.01700	.00000	.02300	.00990	-.01700	-.01310	-27.15100
1.402	1.182	.01700	.00000	.02300	.00990	-.01700	-.01310	-27.15100
1.402	2.233	.02550	.00000	.02300	.00990	-.02550	-.01310	-27.15100
1.402	3.281	.03400	.00000	.02300	.00990	-.03400	-.01310	-27.15100
1.402	4.328	.06800	.01020	.02300	.00990	-.05780	-.01310	-27.16000
1.402	6.414	.06800	.00000	.02300	.00990	-.05780	-.01310	-27.16000
	GRADIENT	.00237	.00000	.00000	.00097	-.00237	.00097	-.00094

OAI45 TABULATED FORCE DATA

ANES 118-1-11 OAI45A 01

DATE 10 MAR 80

(02F081) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPDRK = 70.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 753/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.597	-5.037	.00000	.00000	.00000	.01980	.00000	.01980	-.14180
.600	-.088	.00000	.00000	.00000	.01980	.00000	.01980	-.14180
.599	2.394	.00000	.00000	.00000	.01980	.00000	.01980	-.14180
.597	4.864	.00000	.00000	.00000	.01980	.00000	.01980	-.14180
.598	6.938	.00000	.00000	.00000	.01980	.00000	.01980	-.14180
.597	7.964	.00000	.00000	.00000	.01980	.00000	.01980	-.13360
.596	10.010	.00000	.00000	.00000	.01980	.00000	.01980	-.14180
.595	12.050	.00000	.00000	.00000	.01980	.00000	.01980	-.13360
.597	15.054	.00000	.00000	.00000	.01980	.00000	.01980	-.14180
	GRADIENT	.00000	.00000	.00000	-.00000	.00000	-.00000	.00000

RUN NO. 752/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.799	-5.078	.00000	.00000	.00000	.01980	.00000	.01980	-.12540
.803	-.271	.00000	.00000	.00000	.01980	.00000	.01980	-.12540
.800	2.417	.00000	.00000	.00000	.01980	.00000	.01980	-.14180
.798	4.893	.00000	.00000	.00000	.01980	.00000	.01980	-.12540
.798	6.970	.00000	.00000	.00000	.01980	.00000	.01980	-.12540
.798	8.022	-.02020	.00000	.00000	.01980	.02020	.01980	-.13360
.798	10.044	.00000	.00000	.00000	.01980	.00000	.01980	-.13360
.799	12.085	.00000	.00000	.00000	.01980	.00000	.01980	-.13360
.799	15.069	.00000	.00000	.00000	.01980	.00000	.01980	-.14180
	GRADIENT	.00000	.00000	.00000	-.00000	.00000	-.00000	-.00009

RUN NO. 748/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.900	-5.085	.00000	.02040	.02300	.01980	.02040	-.00320	-.11710
.901	-.083	.00000	.02040	.02300	.01980	.02040	-.00320	-.11710
.900	2.424	.00000	.02040	.02300	.01980	.02040	-.00320	-.10890
.899	5.029	.00000	.02040	.02300	.01980	.02040	-.00320	-.10890
.898	5.672	.00000	.02040	.02300	.01980	.02040	-.00320	-.10890
.900	7.021	.00000	.02040	.02300	.01980	.02040	-.00320	-.10070
.900	8.079	-.01010	.02040	.01150	.01980	.03050	-.00830	-.10890
.902	10.127	.03400	.02040	.00000	.01980	-.01360	.01980	-.11710
.898	15.089	.03400	.01020	.02300	.01980	-.02380	-.00320	-.11710
	GRADIENT	.00000	.00000	.00000	.00000	.00000	-.00000	.00327

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

(02F081) (08 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 70.000 RUDDER = .000
RN/L = 5.000

RUN NO. 743/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.951	-5.076	.0000	.0306	.0230	.0360	.0306	.0166	-.11710
.951	-.060	.0085	.0306	.0230	.0198	.0221	-.0032	-.11710
.952	2.508	.0085	.0306	.0230	.0297	.0221	-.0048	-.11710
.952	5.067	.0085	.0306	.0230	.0297	.0221	-.0048	-.11710
.949	7.105	.0085	.0306	.0230	.0297	.0221	.0297	-.11710
.950	8.145	.0085	.0306	.0230	.0297	.0221	.0067	-.10070
.951	10.190	.0000	.0306	.0230	.0297	.0306	.0182	-.10070
.953	12.219	.0000	.0306	.0115	.0297	.0240	.0182	-.11710
.952	15.255	.0000	.0204	.0115	.0297	.0240	.0182	-.11710
GRADIENT		.0000	-.0000	.00448	.00385	-.0000	-.00062	.00000

RUN NO. 742/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.201	-5.069	.0000	.0102	.0345	.0000	.0102	-.0345	-.14180
1.198	-.067	.0000	.0000	.0230	.0000	.0000	-.0230	-.14180
1.202	2.495	.0000	.0000	.0230	.0000	.0000	-.0230	-.14180
1.198	5.112	.0000	.0000	.0230	.0000	.0000	-.0230	-.14180
1.199	7.154	.0000	.0000	.0230	.0000	.0000	-.0230	-.14180
1.199	8.151	.0000	.0000	.0115	.0000	.0000	-.0115	-.14180
1.199	10.197	.0000	.0000	.0230	.0000	.0000	-.0432	-.14180
1.199	12.207	.0000	.0000	.0345	.0000	.0000	-.0749	-.14180
1.199	15.232	.0085	.0204	.0230	.0297	.0190	.0067	-.14180
GRADIENT		.0000	.0000	.0000	.0000	.0000	.0000	.00000

RUN NO. 735/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.400	-5.075	.0250	.0204	.0345	-.0303	-.0051	-.0648	-.10070
1.404	-.026	.0170	.0102	.0230	.0198	-.0068	-.0032	-.10070
1.404	.397	.0170	.0102	.0230	.0198	-.0068	-.0032	-.10070
1.402	2.487	.0170	.0102	.0230	.0099	-.0068	-.0131	-.10070
1.399	5.073	.0170	.0102	.0230	.0099	-.0068	-.0131	-.10070
1.399	7.115	.0170	.0102	.0230	.0099	-.0068	-.0131	-.10070
1.399	8.148	.0170	.0102	.0230	.0099	-.0068	-.0131	-.10070
1.400	10.206	.0170	.0102	.0230	.0099	-.0068	-.0131	-.10070
1.397	12.194	.0170	.0102	.0230	.0099	-.0068	-.0131	-.10070
1.397	15.258	.0085	.0102	.0230	.0099	-.0068	-.0131	-.10070
GRADIENT		-.0000	.0000	-.0000	.0000	.0000	.0000	.00125

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OAI145 TABULATED FORCE DATA

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(02F082) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 70.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 754/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.999	-6.027	.00850	.00000	.00000	.01980	-.00850	.01980	-.11710
.998	-1.921	.00850	.00000	.00000	.01980	-.00850	.01980	-.13360
.998	-.885	.00850	.00000	.00000	.01980	-.00850	.01980	-.14180
.999	.111	.00850	.00000	.00000	.01980	-.00850	.01980	-.14180
.997	.613	.00850	.00000	.00000	.01980	-.00850	.01980	-.15000
.998	1.131	.00850	.00000	.00000	.01980	-.00850	.01980	-.14180
.998	2.176	.00850	.00000	.00000	.01980	-.00850	.01980	-.14180
.998	3.211	.00850	.00000	.00000	.01980	-.00850	.01980	-.15000
.997	4.243	.00850	.00000	.00000	.01980	-.00850	.01980	-.15000
.997	6.312	.00850	.00000	.00000	.01980	-.00850	.01980	-.15000
	GRADIENT	.00000	.00000	.00000	.00000	-.00000	.00000	-.00215

RUN NO. 751/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.800	-6.065	.00850	.00000	.00000	.01980	-.00850	.01980	-.13360
.799	-1.946	.00850	.00000	.00000	.01980	-.00850	.01980	-.14180
.800	-.905	.00850	.00000	.00000	.01980	-.00850	.01980	-.14180
.799	.118	.00850	.00000	.00000	.01980	-.00850	.01980	-.15000
.799	.639	.00850	.00000	.00000	.01980	-.00850	.01980	-.15000
.799	1.159	.00850	.00000	.00000	.01980	-.00850	.01980	-.12540
.799	2.195	.00850	.00000	.00000	.01980	-.00850	.01980	-.13360
.798	3.240	.00850	.00000	.00000	.01980	-.00850	.01980	-.13360
.799	4.277	.00850	.00000	.00000	.01980	-.00850	.01980	-.15000
.797	6.353	.00850	.00000	.00000	.01980	-.00850	.01980	-.12540
	GRADIENT	.00000	.00000	.00000	.00000	-.00000	.00000	.00044

RUN NO. 749/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.901	-6.087	.00850	.00000	.01150	.01980	-.00850	.00830	-.15000
.901	-1.955	.00850	.00000	.01150	.01980	-.00850	.00830	-.17190
.900	-.906	.00850	.00000	.01150	.01980	-.00850	.00830	-.18280
.901	.125	.00850	.00000	.01150	.00990	-.00850	-.00160	-.19370
.902	.653	.00850	.00000	.01150	.01980	-.00850	.00830	-.18280
.902	1.165	.00850	.00000	.01150	.01980	-.00850	.00830	-.18280
.902	2.210	.00850	.00000	.01150	.01980	-.00850	.00830	-.14180
.901	3.258	.00850	.00000	.01150	.01980	-.00850	.00830	-.15000
.899	4.297	.00850	.00000	.01150	.01980	-.00850	.00830	-.15000
.898	6.375	.00850	.00000	.01150	.01980	-.00850	.00830	-.18280
	GRADIENT	-.00000	.00000	.00000	.00032	.00000	.00032	.00646

(02F082) (08 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 ELEVON = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO AILRON = .000 BOFLAP = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPOBRK = 70.000 RUDDER = .000
 SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 744/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.952	-6.142	.0000	.0306	.0230	.0297	.0306	.0067	-.1089
.953	-1.975	.0000	.0306	.0230	.0297	.0306	.0067	-.1170
.951	-.932	.0085	.0306	.0230	.0297	.0210	.0067	-.1254
.950	.137	.0085	.0306	.0230	.0297	.0210	.0067	-.1254
.951	.618	.0085	.0306	.0230	.0297	.0210	.0067	-.1254
.950	1.143	.0085	.0306	.0230	.0297	.0210	.0067	-.1254
.951	2.203	.0085	.0204	.0230	.0297	.0119	.0067	-.1360
.950	3.252	.0085	.0204	.0230	.0297	.0119	.0067	-.1418
.950	4.290	.0085	.0204	.0230	.0297	.0119	.0067	-.1609
.949	6.362	.0085	.0204	.0230	.0297	.0119	.0067	-.00311
	GRADIENT	.00085	-.00214	.00000	.00000	-.00299	.00000	

RUN NO. 741/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.201	-6.095	.0000	.0102	.0230	.0000	.0102	-.0230	-.1254
1.199	-1.954	.0085	.0102	.0230	.0000	.0017	-.0230	-.1418
1.199	-.905	.0085	.0102	.0150	.0000	.0017	-.0115	-.1418
1.198	.147	.0085	.0102	.0150	.0000	.0017	-.0115	-.1418
1.199	.625	.0085	.0102	.0150	.0000	.0017	-.0115	-.1418
1.201	1.147	.0170	.0102	.0150	.0000	-.0068	-.0115	-.1418
1.199	2.202	.0170	.0000	.0150	.0000	-.0170	-.0115	-.1418
1.198	3.253	.0000	.0000	.0150	.0000	.0000	-.0115	-.1500
1.197	4.296	.0000	.0000	.0150	.0000	.0000	-.0115	-.1500
1.198	6.366	.0085	.0000	.0150	.0000	-.0085	-.0115	-.1609
	GRADIENT	-.00117	-.00215	-.00115	.00000	-.00098	.00115	-.00144

RUN NO. 736/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.403	-6.144	.0255	.0204	.0345	.0198	-.0051	-.0147	-.1500
1.406	-1.981	.0255	.0204	.0345	.0198	-.0051	-.0147	-.1500
1.406	-.920	.0255	.0102	.0345	.0198	-.0153	-.0147	-.1500
1.404	.143	.0255	.0204	.0345	.0198	-.0051	-.0147	-.1609
1.403	.623	.0255	.0102	.0345	.0198	-.0153	-.0147	-.1609
1.402	1.159	.0340	.0102	.0345	.0198	-.0238	-.0147	-.1609
1.403	2.215	.0255	.0102	.0345	.0198	-.0153	-.0147	-.1609
1.402	3.273	.0255	.0102	.0345	.0198	-.0153	-.0032	-.1719
1.402	4.323	.0255	.0204	.0230	-.0101	-.0331	-.0331	-.1719
1.400	6.399	.0340	.0102	.0230	-.0356	-.0238	-.0166	-.1609
	GRADIENT	.00001	-.00027	-.00199	-.00310	-.00029	-.00110	-.00370

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OAI45 TABULATED FORCE DATA

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(D2F083) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 RDLAP = .000 SPDRK = 70.000
 RN/L = 5.000

RUN NO. 756/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.597	-14.970	.00850	.00000	.00000	.01980	-.00850	.01980	-18.04400
.598	-10.754	.00850	.00000	.00000	.01980	-.00850	.01980	-13.02800
.598	-4.939	.00850	.00000	.00000	.01980	-.00850	.01980	-6.01000
.598	-2.442	.00850	.00000	.00000	.01980	-.00850	.01980	-2.97460
.598	-1.110	.00850	.00000	.00000	.01980	-.00850	.01980	-1.3360
.597	2.522	.00850	.00000	.00000	.01980	-.00850	.01980	3.07160
.598	5.014	.00850	.00000	.00000	.01980	-.00850	.01980	6.10130
.598	10.027	.00850	.00000	.00000	.01980	-.00850	.01980	12.15690
.598	15.014	.00850	.00000	.00000	.01980	-.00850	.01980	18.09500
.598	18.134	.00850	.00000	.00000	.01980	-.00850	.01980	21.75200
	GRADIENT	.00000	.00000	.00000	.00000	-.00000	.00000	1.21726

RUN NO. 747/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.902	-14.993	.00850	.02040	.02300	.01980	.01190	.01980	-18.07000
.901	-10.754	.00850	.02040	.01150	.01980	.01190	.00320	-13.02800
.901	-4.954	.00850	.02040	.02300	.01980	.01190	.00320	-6.02820
.900	-2.434	.00850	.02040	.02300	.01980	.01190	.00320	-2.96470
.901	-.096	.00850	.02040	.02300	.01980	.01190	.00320	-1.1710
.901	2.505	.00850	.02040	.02300	.01980	.01190	.00320	3.05070
.901	5.024	.00850	.02040	.02300	.01980	.01190	.00320	6.11260
.901	10.011	.00850	.02040	.02300	.01980	.01190	.00320	12.13700
.901	15.022	.00000	.02040	.02300	.01980	.02040	.00320	18.10500
.901	18.125	.00000	.02040	.02300	.01980	.02040	.00320	21.74200
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	1.21726

RUN NO. 746/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.951	-14.976	.00850	.02040	.01150	.02970	.01190	.01820	-18.05000
.951	-10.736	.01700	.02040	.01150	.02970	.00340	.01820	-13.00600
.952	-4.961	.00850	.02040	.01150	.02970	.01190	.01820	-6.03730
.951	-2.434	.00850	.02040	.02300	.02970	.01190	.00670	-2.96470
.951	-.103	.01700	.02040	.02300	.02970	.00340	.00670	-1.2540
.951	2.496	.01700	.02040	.02300	.02970	.00340	.00670	3.04020
.951	5.033	.01700	.02040	.01150	.02970	.00340	.01820	6.12390
.952	10.019	.01700	.02040	.02300	.02970	.00340	.00670	12.14700
.952	15.022	.01700	.02040	.02300	.02970	.00340	.00670	18.10500
.950	18.134	.01700	.02040	.02300	.02970	.00340	.00670	21.75200
	GRADIENT	.00136	.00000	.00140	-.00000	-.00136	-.00140	1.21726

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0A145 TABULATED FORCE DATA

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(02F083) (08 JUL 77)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.
LREF	=	474.8100	INCHES
BREF	=	936.6800	INCHES
SCALE	=	.0500	

XMRP	=	1076.6800	IN.	X0
YMRP	=	.0000	IN.	Y0
ZMRP	=	375.0000	IN.	Z0

RUN NO. 739/ 0 RN/L = 5.04

GRADIENT INTERVAL = -5.00/ 5.00

MACH
1.199
1.199
1.199
1.199
1.200
1.200
1.199
1.200
1.199
1.201

RUDDER
-14.965
-10.754
-4.961
-2.434
-.089
2.513
5.024
10.011
15.022
18.116
GRADIENT

[illegible]

DELTA	DRH
00	-10.03800
00	-13.02800
00	-6.03730
00	-2.96470
00	-1.10890
00	3.06120
00	6.11260
00	-12.13700
00	18.10500
00	21.73100
00	1.21728
95	0.06124

RUN NO. 738/ 0 RN/L = 5.02

GRADIENT INTERVAL = -5.00/ 5.00

MACH
1.404
1.403
1.403
1.403
1.404
1.402
1.404
1.404
1.403
1.404

RUDDER	
-14.970	
-10.762	
-4.924	
-2.434	
-.116	
2.513	
5.005	
10.011	
14.785	
18.107	

ELV-L0	ELV-L1
.00000	.00000
.00850	.00000
.02550	.00000
.02550	.00000
.02550	.00000
.02550	.00000
.02550	.00000
.02550	.00000
.03400	.00000
.04250	.00000
.02550	.00000
.00000	.00000

[illegible]

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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(02F084) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDRK = 70.000 RUDDER = -5.000
 RN/L = 5.000

RUN NO. 755/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.597	-6.047	.00850	.00000	.00000	.01980	-.00850	.01980	-6.01910
.597	-1.913	.00850	.00000	.00000	.01980	-.00850	.01980	-6.02820
.597	-.877	.00850	.00000	.00000	.01980	-.00850	.01980	-6.03730
.598	.120	.00850	.00000	.00000	.01980	-.00850	.01980	-6.03730
.598	.618	.00850	.00000	.00000	.01980	-.00850	.01980	-6.03730
.597	1.134	.00850	.00000	.00000	.01980	-.00850	.01980	-6.04640
.597	2.181	.00850	.00000	.00000	.01980	-.00850	.01980	-6.04640
.597	3.214	.00850	.00000	.00000	.01980	-.00850	.01980	-6.05550
.597	4.250	.00850	.00000	.00000	.01980	-.00850	.01980	-6.05550
.597	6.315	.00850	.00000	.00000	.01980	-.00850	.01980	-6.01910
.597	GRADIENT	.00000	.00000	.00000	-.00000	.00000	-.00000	-.00450

RUN NO. 750/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.902	-6.080	.00000	.00000	.00000	.01980	.00000	.01980	-6.02820
.903	-1.943	.00000	.00000	.00000	.01980	.00000	.01980	-6.05550
.900	-.900	.00000	.00000	.00000	.01980	.00000	.01980	-6.05550
.902	.156	.00000	.00000	.00000	.01980	.00000	.01980	-6.02820
.899	.677	.00000	.00000	.00000	.01980	.00000	.01980	-6.01910
.902	1.181	.00850	.00000	.00000	.01980	-.00850	.01980	-6.02820
.900	2.221	.00850	.00000	.00000	.01980	-.00850	.01980	-6.03730
.901	3.264	.00850	.00000	.00000	.01980	-.00850	.01980	-6.04640
.900	4.303	.00850	.00000	.00000	.01980	-.00850	.01980	-6.05550
.900	6.381	.00850	.00000	.00000	.01980	-.00850	.01980	-6.06450
.898	GRADIENT	.00181	.00000	.00000	.00000	-.00181	.00000	-.00004

RUN NO. 745/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.950	-6.095	.00000	.02040	.02300	.02970	.02040	.00670	-6.01000
.952	-1.962	.00000	.02040	.02300	.02970	.02040	.00670	-6.04640
.951	-.924	.00850	.02040	.02300	.02970	.01190	.00670	-6.04640
.951	.150	.00850	.02040	.02300	.02970	.01190	.00670	-6.04640
.952	.627	.00850	.02040	.02300	.02970	.01190	.00670	-6.04640
.951	1.155	.00850	.02040	.01150	.02970	.01190	.01820	-6.04640
.950	2.211	.00850	.02040	.01150	.02970	.01190	.01820	-6.05550
.950	3.255	.00850	.02040	.01150	.02970	.01190	.01820	-6.01910
.950	4.292	.00850	.02040	.01150	.02970	.01190	.01820	-6.02820
.947	6.365	.00850	.02040	.01150	.02970	.01190	.01820	-6.03730
.947	GRADIENT	.00085	.00000	-.00244	.00000	-.00085	.00244	.00348

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OAI45 TABULATED FORCE DATA

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(02F084) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 70.000 RUDDER = -5.000
 RN/L = 5.000

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.201	-6.121	.00850	.01020	.02300	.02970	.00170	.00670	-6.02820
1.200	-1.949	.01700	.01020	.02300	.04950	-.00680	.02650	-6.02820
1.200	-.897	.01700	.01020	.02300	.03960	-.00680	.01660	-6.02820
1.198	.154	.01700	.01020	.02300	.03960	-.00680	.01660	-6.02820
1.199	.628	.01700	.01020	.01150	.03960	-.00680	.02810	-6.02820
1.200	1.159	.01700	.01020	.01150	.03960	-.00680	.02810	-6.02820
1.199	2.208	.01700	.00000	.01150	.03960	-.01700	.02810	-6.02820
1.199	3.257	.02550	.00000	.01150	.03960	-.02550	.02810	-6.02820
1.199	4.304	.00000	.00000	.01150	.04950	.00000	.03800	-6.03730
1.197	6.372	.00850	.01020	.01150	.07920	.00170	.06770	-6.04640
	GRADIENT	-.00118	-.00215	-.00226	.00005	-.00097	.00231	-.00095

RUN NO. 740/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.400	-6.137	.01700	.02040	.02300	.02970	.00340	.00670	-6.03730
1.406	-1.989	.01700	.02040	.02300	.02970	.00340	.00670	-6.06450
1.404	-.928	.01700	.01020	.02300	.02970	-.00680	.00670	-6.06450
1.403	.138	.01700	.01020	.02300	.00000	-.00680	-.02300	-6.07360
1.403	.619	.01700	.00000	.02300	.00000	-.01700	-.02300	-6.07360
1.402	1.151	.01700	.00000	.02300	.00000	-.02300	-.02300	-6.07360
1.403	2.206	.01700	.01020	.02300	.00000	-.00680	-.02300	-6.08270
1.403	3.260	.01700	.00000	.02300	.01980	-.01700	-.00320	-6.08270
1.402	4.305	.02550	.00000	.02300	.01980	-.02550	-.00320	-6.09180
1.399	6.393	.02550	.00000	.02300	.01980	-.02550	-.00320	-6.10090
	GRADIENT	.00088	-.00265	.00000	-.00146	-.00353	-.00146	-.00435

RUN NO. 737/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

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0A145 TABULATED FORCE DATA

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(02F085) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 5.000

PARAMETRIC DATA

RUN NO. 450/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.597	-5.025	.00850	.01020	.02300	.02970	.00170	.00670	-.13360
.598	-.013	.00850	.01020	.01150	.02970	.00170	.01820	-.13360
.597	2.523	.00850	.01020	.01150	.02970	.00170	.01820	-.13360
.596	5.037	.00000	.01020	.01150	.02970	.01020	.01820	-.13360
.596	7.078	-.01010	.01020	.01150	.02970	.02030	.01820	-.12540
.597	8.133	.01700	.01020	.01150	.02970	-.00680	.01820	-.12540
.596	10.191	.01700	.01020	.01150	.02970	-.00680	.01820	-.12540
.596	12.250	.00000	.01020	.02300	.02970	.01020	.00670	-.12540
.597	15.280	.00850	.01020	.01150	.02970	.00170	.01820	-.12540
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 460/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.803	-5.427	.00000	.00000	.01150	.01980	.00000	.00830	-.15000
.802	-.001	.00000	.01020	.01150	.02970	.01020	.01820	-.15000
.802	2.583	.00000	.01020	.01150	.02970	.01020	.01820	-.15000
.799	4.995	.00000	.01020	.01150	.02970	.01020	.01820	-.15000
.798	7.011	.00000	.01020	.01150	.02970	.01020	.01820	-.15000
.799	9.033	.00850	.01020	.01150	.02970	.00170	.01820	-.15000
.801	9.951	.00850	.01020	.01150	.02970	.00170	.01820	-.15000
.800	11.965	.00850	.02040	.01150	-.05050	.01190	-.06200	-.15000
.797	14.829	.01700	.00000	.01150	-.04040	-.01700	-.05190	-.15000
GRADIENT		.00000	.00000	-.00000	.00000	.00000	.00000	.00000

RUN NO. 462/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.903	-5.893	.01700	.01020	.02300	.02970	-.00680	.00670	-.15000
.902	-5.051	.01700	.02040	.01150	.02970	.00340	.01820	-.15000
.903	-.819	.02550	.01020	.01150	.02970	-.01530	.01820	-.15000
.902	.437	.01700	.02040	.01150	.02970	.00340	.01820	-.15000
.903	2.032	.02550	.02040	.01150	.02970	-.00510	.01820	-.15000
.901	4.550	.00000	.03060	.01150	.02970	.03060	.01820	-.15000
.898	6.778	.01700	.03060	.00000	.02970	.01360	.02970	-.15000
.901	8.231	.01700	.02040	.01150	.02970	.00340	.01820	-.15000
.901	10.229	.01700	.02040	.01150	.02970	.00340	.01820	-.15000
.902	12.171	.01700	.02040	.01150	.02970	.00340	.01820	-.15000
.902	14.807	.01700	.02040	.01150	.02970	.00340	.01820	-.15000
GRADIENT		-.00417	.00341	.00000	.00000	.00757	.00000	-.00000

0A145 TABULATED FORCE DATA

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(02F085) (08 JUL 77)

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 87.200 RUDDER = .000
 RN/L = 5.000

RUN NO. 473/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.952	-5.204	.00000	.03060	.01150	.04950	.03060	.03800	-.15000
.952	-1.133	.03400	.03060	.01150	.03960	-.00340	.02810	-.12540
.951	2.324	.03400	.03060	.01150	.03960	-.00340	.02810	-.12540
.948	4.840	.02550	.03060	.01150	.04950	.00510	.03800	-.10890
.950	6.837	.04250	.03060	.01150	.04950	-.01190	.03800	-.10890
.949	7.798	.04250	.03060	.01150	.04950	-.01190	.03800	-.10890
.951	9.875	.04250	.01020	.01150	.04950	-.03230	.03800	-.07610
.950	12.068	.00850	.03060	.01150	.04950	.02210	.03800	-.14180
.950	15.131	.00850	.02040	.01150	.04950	.01190	.03800	-.10890
GRADIENT		-.00172	.00000	-.00000	.00200	.00172	.00200	.00333

RUN NO. 486/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.103	-5.182	.00000	.02040	.01150	.02970	.02040	.01820	-.16090
1.103	-1.165	.00000	.02040	.01150	.02970	.02040	.01820	-.14180
1.104	2.139	.00000	.01020	.01150	.02970	.01020	.01820	-.13360
1.103	2.417	.01700	.01020	.01150	.01980	-.00680	.00830	-.11710
1.102	5.122	.00850	.01020	.01150	.01980	.00170	.00830	-.13360
1.105	7.184	.00850	.00000	.01150	.01980	-.00850	.00830	-.13360
1.105	8.157	.01700	.00000	.01150	.01980	-.01700	.00830	-.10890
1.101	10.153	.00850	.01020	.01150	.02970	.00170	.01820	-.11710
1.102	12.177	.00000	.01020	.01150	.02970	.01020	.01820	-.10890
1.101	15.161	.00000	.01020	.01150	.02970	.01020	.01820	-.11710
GRADIENT		.00404	-.00413	-.00000	-.00235	-.00817	-.00235	.00724

RUN NO. 489/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.199	-5.188	.00000	.02040	.01150	.02970	.02040	.01820	-.12540
1.202	-1.152	.00000	.02040	.01150	.02970	.02040	.01820	-.11710
1.199	2.417	.00000	.02040	.01150	.02970	.02040	.01820	-.11710
1.198	4.998	.00000	.01020	.01150	.01980	.01020	.00830	-.10890
1.200	7.081	.00000	.00000	.01150	.02970	.00000	.01820	-.10070
1.198	8.095	.00000	.02040	.01150	.02970	.02040	.01820	-.10070
1.196	10.130	.00000	.01020	.01150	.02970	.01020	.01820	-.09250
1.199	12.156	.00000	.01020	.01150	.02970	.01020	.01820	-.09250
1.198	15.171	.00000	.01020	.01150	.02970	.01020	.01820	-.09250
GRADIENT		.00000	-.00198	-.00000	-.00192	-.00198	-.00192	.00159

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(02F085) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPOBRK = 87.200 RUDDER = .000
 RN/L = 5.000

RUN NO. 500/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.403	-5.076	.00000	.03060	.01150	.01980	.03060	.00830	-.10070
1.404	-.035	.00850	.02040	.01150	.01980	.01190	.00830	-.09250
1.403	2.494	.00850	.02040	.01150	.01980	.01190	.00830	-.03500
1.401	5.092	.00850	.02040	.01150	.01980	.01190	.00830	-.02680
1.400	7.150	.00000	.01020	.01150	.01980	.01020	.00830	-.02680
1.400	8.189	.00000	.01020	.01150	.01980	.01020	.00830	-.01860
1.401	10.210	.00000	.01020	.01150	.01980	.01020	.00830	-.01860
1.400	12.263	.00850	.02040	.01150	.01980	.01190	.00830	-.00210
1.394	15.283	.00850	.01020	.01150	.01980	.00170	.00830	-.00210
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.02274

AMES 118-1-11 OAI45A 01

(02F086) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPOBRK = 87.200 RUDDER = .000
 RN/L = 5.000

RUN NO. 880/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.596	-5.107	.00000	.03060	.01150	.00990	.03060	-.00160	-.12540
.598	-.336	.00000	.03060	.01150	.00990	.03060	-.00160	-.11710
.598	2.187	.00000	.03060	.01150	.00990	.03060	-.00160	-.11710
.597	4.747	.00000	.03060	.01150	.00990	.03060	-.00160	-.11710
.597	7.835	.00850	.03060	.01150	.00990	.02210	-.00160	-.10890
.597	9.902	.00850	.03060	.01150	.00990	.02210	-.00160	-.09250
.596	11.941	.00850	.03060	.01150	.00990	.02210	-.00160	-.09250
.597	14.920	.00850	.03060	.01150	.01980	.02210	.00830	-.14180
.597	16.887	.00850	.02040	.01150	.00990	.01190	-.00160	-.14180
.597	18.940	.00850	.02040	.01150	.01980	.01190	.00830	-.14180
	GRADIENT	.00000	-.00000	-.00000	-.00000	-.00000	.00000	.00000

(02F086) (08 JUL 77)

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PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BOFLAP = .000
SPOBRK = 87.200 RUDDER = .000
RN/L = 5.000

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

RUN NO. 879/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.798	-5.072	.0000	.0204	.0230	.0090	.0204	-.0131	-.1254
.801	-.335	.0000	.0204	.0230	.0090	.0204	-.0131	-.1500
.798	2.218	.0000	.0204	.0230	.0090	.0204	-.0131	-.1500
.798	4.773	.0000	.0204	.0230	.0090	.0204	-.0131	-.1500
.797	7.853	.0000	.0204	.0115	.0090	.0204	-.0016	-.1254
.796	9.895	.0085	.0204	.0115	.0090	.0119	-.0016	-.1171
.796	11.940	.0000	.0204	.0115	.0090	.0204	-.0016	-.0925
.797	14.908	.0085	.0204	.0230	.0090	.0119	-.0131	-.1089
.797	16.909	.0085	.0204	.0230	.0090	.0119	-.0131	-.1089
.798	18.948	.0085	.0204	.0230	.0090	.0119	-.0131	-.1609
GRADIENT		.0000	-.0000	-.0000	.0000	-.0000	.0000	.0000

RUN NO. 878/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.898	-5.068	.0085	.0306	.0115	.0190	.0210	.0083	-.1254
.901	-.289	.0085	.0306	.0115	.0190	.0210	.0083	-.1254
.902	2.220	.0085	.0306	.0115	.0190	.0210	.0083	-.0925
.899	4.773	.0085	.0306	.0115	.0190	.0210	.0083	-.1007
.895	7.835	.0085	.0306	.0115	.0190	.0210	.0083	-.1719
.890	9.895	.0085	.0306	.0115	.0190	.0210	.0083	-.1500
.897	11.985	.0000	.0306	.0115	.0090	.0306	-.0016	-.1500
.900	14.931	.0085	.0204	.0115	.0090	.0119	-.0016	-.1360
.898	16.941	.0085	.0204	.0230	.0090	.0119	-.0131	-.1089
.899	18.969	.0085	.0204	.0230	.0190	.0119	-.0320	-.1254
GRADIENT		.0000	.0000	.0000	-.0000	.0000	.0000	.00486

RUN NO. 877/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.950	-5.043	.0000	.0306	.0115	.0190	.0306	.0083	-.2374
.951	-.100	.0085	.0306	.0115	.0190	.0210	.0083	-.1336
.950	2.423	.0170	.0306	.0115	.0190	.0136	.0083	-.0514
.950	4.841	.0170	.0306	.0115	.0190	.0136	.0083	-.1254
.950	8.029	.0000	.0306	.0230	.0190	.0306	-.0032	-.3030
.950	10.073	.0000	.0204	.0230	.0190	.0204	-.0032	-.1007
.951	11.939	.0085	.0204	.0230	.0190	.0119	-.0032	-.0925
.951	14.918	.0085	.0204	.0230	.0190	.0119	-.0032	-.1089
.950	17.044	.0085	.0204	.0230	.0190	.0119	-.0032	-.1336
.950	19.032	.0170	.0204	.0115	.0190	.0034	.0083	-.1336
GRADIENT		.00173	.0000	.0000	-.0000	-.00173	.0000	.00188

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0A145 TABULATED FORCE DATA

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(02F086) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
 AILTRON = .000 BDFLAP = .000
 SPDBRK = 87.200 RUDDER = .000
 RN/L = 5.000

RUN NO. 876/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.198	-5.071	.00850	.02040	.02300	.00990	.01190	-.01310	-.19370
1.200	- .056	.00850	.03060	.02300	.00990	.02210	-.01310	-.23740
1.198	2.484	.00000	.03060	.01150	.00990	.03060	.00160	-.08430
1.199	5.027	.00000	.02040	.02300	.00990	.02040	-.01310	-.03500
1.199	8.028	.00850	.02040	.01150	.00990	.01190	-.00160	-.12540
1.197	10.036	.00850	.02040	.02300	.01980	.01190	-.00320	-.12540
1.197	12.014	.00850	.01020	.02300	.01980	.00170	-.00320	-.05140
1.197	14.974	.00850	.02040	.02300	.01980	.01190	-.00320	-.05140
1.197	16.927	.00000	.01020	.02300	.01980	.01020	-.00320	-.13360
1.197	19.007	.00000	.02040	.01150	.01980	.02040	.00830	-.08430
	GRADIENT	-.00335	-.00000	-.00453	.00000	.00335	.00453	.06029

RUN NO. 875/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.298	-5.014	.00850	.03060	.02300	.00990	.02210	-.01310	-.16090
1.296	- .008	.00850	.03060	.02300	.00990	.02210	-.01310	-.20460
1.297	2.520	.00000	.03060	.02300	.00990	.03060	.00160	-.16090
1.296	5.036	.00850	.03060	.01150	.00990	.02210	-.00160	-.06790
1.295	8.107	.00850	.02040	.01150	.00990	.01190	-.00160	-.04320
1.295	10.075	.00850	.02040	.02300	.00990	.01190	-.01310	-.11710
1.294	12.064	.00000	.02040	.02300	.00990	.02040	-.01310	-.04320
1.292	15.030	.00000	.02040	.02300	.00990	.02040	-.01310	-.06790
1.290	16.880	.00000	.02040	.01150	.00990	.02040	-.00160	-.02680
1.289	18.699	.00000	.02040	.01150	.00990	.02040	-.00160	-.01040
	GRADIENT	-.00336	.00000	-.00000	.00000	.00336	.00000	.01729

RUN NO. 874/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.403	-5.265	.00850	.03060	.02300	.00990	.02210	-.01310	-.09250
1.404	- .038	.00000	.03060	.02300	.00990	.03060	-.01310	-.14180
1.403	2.501	.00850	.03060	.01150	.00990	.02210	.00160	-.15000
1.401	5.076	.00850	.03060	.01150	.00990	.02210	-.00160	-.10890
1.401	8.063	.00000	.03060	.01150	.00990	.03060	-.00160	-.05960
1.400	10.019	.00000	.03060	.01150	.00990	.03060	-.00160	-.06790
1.399	11.990	.00850	.02040	.01150	.00990	.01190	-.00160	-.11710
1.397	14.986	.00000	.03060	.01150	.00990	.03060	-.00160	-.02680
1.391	16.845	.00000	.02040	.01150	.00990	.02040	-.00160	-.01860
1.388	18.766	.00000	.03060	.01150	.00990	.03060	-.00160	-.01040
	GRADIENT	.00335	.00000	-.00453	-.00000	-.00335	.00453	-.00323

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

(02F087) (08 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPOBRK = 87.200 RUDDER = .000
 RN/L = 5.000

RUN NO. 457/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.598	-6.191	.01700	.01020	.01150	.01980	-.00680	.00830	-.15000
.598	-2.105	.01700	.01020	.01150	.01980	-.00680	.00830	-.15000
.598	-1.061	.01700	.01020	.01150	.01980	-.00680	.00830	-.15000
.598	.011	.01700	.01020	.01150	.01980	-.00680	.00830	-.15000
.598	.529	.01700	.01020	.01150	.01980	-.00680	.00830	-.15000
.598	1.051	.01700	.02040	.01150	.01980	.00340	.00830	-.15000
.598	2.108	.01700	.02040	.01150	.01980	.00340	.00830	-.15000
.598	3.146	.01700	.02040	.01150	.01980	.00340	.00830	-.15000
.598	4.180	.01700	.02040	.01150	.01980	.00340	.00830	-.15000
.598	6.237	.01700	.02040	.01150	.01980	.00340	.00830	-.16090
.597	8.287	.01700	.02040	.01150	.01980	.00340	.00830	-.16090
	GRADIENT	.00000	.00215	-.00000	.00000	.00215	.00000	-.00000

RUN NO. 458/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.804	-6.237	.04250	.01020	.01150	.01980	-.03230	.00830	-.14180
.805	-2.127	.05100	.01020	.01150	.01980	-.04080	.00830	-.15000
.804	-1.072	.05100	.01020	.01150	.01980	-.04080	.00830	-.15000
.804	.004	.02550	.01020	.01150	.01980	-.01530	.00830	-.15000
.805	.532	.27200	.01020	.01150	.01980	-.26180	.00830	-.15000
.804	1.055	.00000	.00000	.01150	.01980	.00000	.00830	-.15000
.803	2.122	.00000	.00000	.01150	.01980	.00000	.00830	-.15000
	GRADIENT	-.00457	-.00266	-.00000	-.00000	.00191	.00000	.00000

RUN NO. 468/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.902	-6.265	.01700	.03060	.01150	.04950	.01360	.03800	-.13360
.903	-2.133	.01700	.03060	.01150	.04950	.01360	.03800	-.15000
.901	-1.075	.01700	.03060	.01150	.04950	.01360	.03800	-.15000
.901	.009	.01700	.03060	.01150	.04950	.01360	.03800	-.15000
.903	.532	.01700	.03060	.01150	.04950	.01360	.03800	-.15000
.901	1.057	.01700	.02040	.01150	.04950	.00340	.03800	-.15000
.901	2.124	.01700	.02040	.01150	.04950	.00340	.03800	-.15000
.902	3.175	.01700	.02040	.01150	.04950	.00340	.03800	-.15000
.901	4.220	.01700	.02040	.01150	.04950	.00340	.03800	-.16090
.899	6.300	.01700	.00000	.01150	.04950	-.01700	.03800	-.15000
.898	8.369	.01700	.02040	.01150	.04950	.00340	.03800	-.14180
	GRADIENT	-.00000	-.00211	-.00000	-.00000	-.00211	.00000	-.00111

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0A145 TABULATED FORCE DATA

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(02F087) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
 ATLRON = .000 BDFLAP = .000
 SPOBRK = 87.200 RUDDER = .000
 RN/L = 5.000

RUN NO. 479/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.951	-6.264	.00850	.02040	.01150	.02970	.01190	.01820	-.11710
.954	-2.133	.00850	.01020	.01150	.02970	.00170	.01820	-.21560
.952	-1.072	.00850	.00000	.01150	.02970	-.00850	.01820	-.10070
.951	.013	.00850	.00000	.01150	.02970	-.00850	.01820	-.10890
.953	.537	.00000	.01020	.01150	.02970	.01020	.01820	-.11710
.951	1.064	-.02020	.01020	.01150	.02970	.03040	.01820	-.11710
.951	2.133	.00000	.01020	.01150	.02970	.01020	.01820	-.13360
.952	3.186	.00000	.00000	.01150	.02970	.00000	.01820	-.15000
.950	4.230	.00000	.00000	.01150	.02970	.00000	.01820	-.17190
.949	6.314	.00000	.00000	.01150	.02970	.00000	.01820	-.21560
.947	8.381	.00000	.00000	.01150	.02970	.00000	.01820	-.11710
	GRADIENT	-.00170	-.00076	-.00000	.00000	.00093	.00000	-.00006

RUN NO. 506/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.198	-6.271	.00000	.03060	.01150	.01980	.03060	.00830	-.19370
1.202	-2.126	.00850	.03060	.01150	.01980	.02210	.00830	-.19370
1.199	-1.071	.00850	.03060	.01150	.01980	.02210	.00830	-.16090
1.199	.013	.01700	.03060	.01150	.01980	.01360	.00830	-.17190
1.200	.536	.01700	.03060	.01150	.01980	.01360	.00830	-.15000
1.199	1.063	.02550	.02040	.01150	.01980	-.00510	.00830	-.15000
1.199	2.131	.00850	.02040	.01150	.01980	.01190	.00830	-.15000
1.198	3.186	.00850	.02040	.01150	.01980	.01190	.00830	-.16090
1.199	4.234	.00850	.02040	.01150	.01980	.01190	.00830	-.17190
1.196	6.322	.00850	.01020	.01150	.01980	.00170	.00830	-.21560
1.197	8.400	.00850	.02040	.01150	.01980	.01190	.00830	-.19370
	GRADIENT	-.00035	-.00213	.00000	.00000	-.00178	.00000	.00270

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OAI45 TABULATED FORCE DATA

PAGE 1534

AMES 118-1-11 OAI45A 01

(02F088) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRX = 87.200 RUDDER = .000
 RN/L = 5.000

RUN NO. 447/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.598	-6.052	.04250	.00000	.02300	.01980	-.04250	-.00320	-.12540
.598	-1.926	.02400	.00000	.02300	.01980	-.03400	-.00320	-.12540
.598	-.885	.04250	.00000	.02300	.01980	-.04250	-.00320	-.13360
.598	.027	.00000	.00000	.02300	.01980	-.01700	-.00320	-.13360
.598	.495	.01700	.00000	.02300	.01980	-.01700	-.00320	-.13360
.598	1.011	.00000	.00000	.02300	.01980	.00000	-.00320	-.12540
.597	2.076	.02550	.00000	.02300	.01980	-.02550	-.00320	-.13360
.598	3.119	.02550	.00000	.02300	.01980	-.02550	-.00320	-.13360
.597	4.152	.03400	.00000	.02300	.01980	-.03400	-.00320	-.13360
.597	6.214	.04250	.00000	.02300	.01980	-.04250	-.00320	-.14180
	GRADIENT	-.00062	.00000	.00000	.00000	.00062	-.00000	-.00083

RUN NO. 459/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.803	-6.122	.00000	.01020	.01150	.01980	.01020	.00830	-.14180
.802	-2.034	.00000	.01020	.01150	.01980	.01020	.00830	-.15000
.802	-.987	.00000	.01020	.01150	.01980	.01020	.00830	-.15000
.803	.049	.00000	.01020	.01150	.01980	.01020	.00830	-.15000
.802	.534	.00000	.01020	.01150	.01980	.01020	.00830	-.15000
.802	1.075	.00000	.01020	.01150	.01980	.01020	.00830	-.15000
.801	2.123	.00000	.01020	.01150	.01980	.01020	.00830	-.15000
.802	3.156	.00000	.01020	.01150	.01980	.01020	.00830	-.15000
.802	4.195	.00000	.01020	.01150	.01980	.01020	.00830	-.15000
.801	6.276	.00000	.00000	.01150	.02970	.00000	.01820	-.17190
.801	8.328	.00000	.00000	.01150	.02970	.00000	.01820	-.17190
	GRADIENT	.00000	.00000	.00000	.00140	.00000	.00140	-.00000

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OAI45 TABULATED FORCE DATA

PAGE 1535

AMES 118-1-11 OAI45A 01

(02F088) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 87.200 RUDDER = .000
 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 463/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.902	-6.116	.01700	.03060	.01150	.02970	.01360	.01820	-.13360
.902	-1.966	.01700	.02040	.01150	.02970	.00340	.01820	-.15000
.901	-.921	.01700	.02040	.01150	.02970	.00340	.01820	-.15000
.902	.126	.01700	.01020	.01150	.02970	-.00680	.01820	-.16090
.901	.649	.01700	.01020	.01150	.02970	-.00680	.01820	-.16090
.902	1.152	.01700	.01020	.01150	.02970	-.00680	.01820	-.16090
.901	2.202	.01700	.01020	.01150	.02970	-.00680	.01820	-.17190
.901	3.251	.01700	.01020	.01150	.02970	-.00680	.01820	-.17190
.900	4.294	.01700	.01020	.01150	.02970	-.00680	.01820	-.18280
.899	6.376	.01700	.02040	.01150	.02970	.00340	.01820	-.20460
.899	8.440	.01700	.01020	.01150	.02970	-.00680	.01820	-.21560
	GRADIENT	.00000	-.00169	.00000	.00000	-.00169	.00000	-.00525

RUN NO. 474/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.952	-6.098	.00850	.04080	.01150	.04950	.03230	.03800	-.07610
.953	-1.971	.00850	.02040	.01150	.04950	.01190	.03800	-.14180
.951	-.924	.00850	.02040	.01150	.04950	.01190	.03800	-.15000
.950	.138	.01700	.03060	.01150	.04950	.01360	.03800	-.11710
.952	.644	.01700	.02040	.01150	.04950	.00340	.03800	-.12540
.951	1.157	.01700	.03060	.01150	.04950	.01360	.03800	-.11710
.951	2.211	.01700	.02040	.01150	.04950	.00340	.03800	-.12540
.950	3.255	.01700	.02040	.01150	.04950	.00340	.03800	-.13360
.949	4.297	.01700	.02040	.01150	.04950	.00340	.03800	-.14180
.948	6.373	.01700	.02040	.01150	.04950	.00340	.03800	-.16090
	GRADIENT	.00141	-.00030	.00000	.00000	-.00171	.00000	.00073

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(DEF088) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6000 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 5.000

RUN NO. 487/ 0		RN/L = 4.97		GRADIENT INTERVAL = -5.00/ 5.00	
MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI
1.103	-6.118	.01700	.01020	.01150	.02970
1.102	-1.959	.01700	.02040	.01150	.02970
1.103	.901	.02550	.01020	.01150	.02970
1.102	.080	.01700	.01020	.01150	.02970
1.102	.559	.02550	.01020	.01150	.01980
1.101	1.053	.02550	.01020	.01150	.02970
1.103	2.108	.02550	.00000	.01150	.01980
1.101	3.146	.02550	.00000	.01150	.01980
1.102	4.191	.04250	.00000	.01150	.01980
1.101	6.289	.02550	.00000	.01150	.01980
	GRADIENT	.00296	-.00324	.00000	-.00197

RUN NO. 488/ 0		RN/L = 4.96		GRADIENT INTERVAL = -5.00/ 5.00	
MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI
1.202	-6.099	.00000	.02040	.01150	.02970
1.200	-1.952	.00850	.02040	.01150	.02970
1.199	.900	.01700	.02040	.01150	.02970
1.199	.171	.01700	.02040	.01150	.02970
1.201	.625	.01700	.02040	.01150	.02970
1.200	1.140	.01700	.02040	.01150	.02970
1.199	2.189	.00000	.02040	.01150	.02970
1.198	3.237	.00850	.01020	.01150	.02970
1.199	4.282	.00850	.01020	.01150	.02970
1.197	6.350	.00850	.01020	.01150	.03960
	GRADIENT	-.00125	-.00179	.00000	.00000

RUN NO. 504/ 0		RN/L = 4.94		GRADIENT INTERVAL = -5.00/ 5.00	
MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI
1.402	-6.132	.00000	.02040	.01150	.01980
1.406	-1.977	.00000	.02040	.01150	.01980
1.404	.926	.00000	.02040	.02300	.01980
1.404	.150	.00000	.02040	.02300	.01980
1.403	.628	.00000	.02040	.02300	.01980
1.403	1.154	.00000	.01020	.02300	.01980
1.403	2.213	.00000	.00000	.02300	.01980
1.403	3.269	.00000	.00000	.01150	.01980
1.402	4.318	-.01010	.00000	.01150	.01980
	6.404	-.01010	.00000	.01150	.01980
	GRADIENT	-.00105	-.00429	-.00085	.00000

DELX .01820
DELZ .01820
DRHL -.14180
DRHL -.14180
DRHL -.17190
DRHL -.14180
DRHL -.14180
DRHL -.14180
DRHL -.14180
DRHL -.15000
DRHL -.15000
DRHL -.14180
DRHL .00468

DELX .01820
DELZ .01820
DRHL -.13360
DRHL -.16090
DRHL -.17190
DRHL -.12540
DRHL -.12540
DRHL -.12540
DRHL -.12540
DRHL -.13360
DRHL -.15000
DRHL -.16090
DRHL .00348

DELX .00830
DELZ .00830
DRHL -.15000
DRHL -.08430
DRHL -.10890
DRHL -.10890
DRHL -.10070
DRHL -.10070
DRHL -.10070
DRHL -.12540
DRHL -.15000
DRHL -.15000
DRHL -.19370
DRHL -.01028

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

PAGE 1537

AMES 118-1-11 0A145A 01

(02F089) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

ALPHA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPOBRK = 87.200 RUDDER = .000
RN/L = 5.000

PARAMETRIC DATA

RUN NO. 455/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.598	-6.037	.01700	.01020	.01150	.01980	-.00680	.00830	-.15000
.598	-1.985	.01700	.01020	.01150	.01980	-.00680	.00830	-.15000
.597	-.968	.01700	.01020	.01150	.01980	-.00680	.00830	-.15000
.598	.060	.01700	.02040	.01150	.01980	.00340	.00830	-.15000
.598	.556	.01700	.01020	.01150	.01980	-.00680	.00830	-.15000
.598	1.057	.01700	.01020	.01150	.01980	-.00680	.00830	-.15000
.597	2.088	.01700	.01020	.01150	.01980	-.00680	.00830	-.15000
.598	3.113	.01700	.01020	.01150	.01980	-.00680	.00830	-.15000
.598	4.154	.01700	.01020	.01150	.01980	-.00680	.00830	-.16090
.598	6.220	.01700	.00000	.01150	.01980	-.01700	.00830	-.16090
.598	8.205	.02550	.01020	.01150	.01980	-.01530	.00830	-.15000
.598	GRADIENT	.00000	-.00033	-.00000	.00000	-.00033	.00000	-.00116

RUN NO. 469/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.902	-6.127	.00850	.02040	.01150	.04950	.01190	.03800	-.15000
.903	-2.025	.00000	.02040	.01150	.04950	.02040	.03800	-.18280
.901	-.995	.01700	.02040	.01150	.04950	.00340	.03800	-.11710
.901	.049	.00850	.02040	.01150	.04950	.01190	.03800	-.12540
.903	.550	.00850	.02040	.01150	.04950	.01190	.03800	-.12540
.901	1.059	.00850	.01020	.01150	.04950	.00170	.03800	-.13360
.901	2.107	.00850	.01020	.01150	.04950	.00170	.03800	-.14180
.902	3.150	.01700	.00000	.01150	.04950	-.01700	.03800	-.09250
.899	4.208	.00850	.02040	.01150	.04950	.01190	.03800	-.10070
.900	6.298	.01700	.02040	.01150	.04950	.00340	.03800	-.13360
.902	8.379	.01700	.02040	.01150	.04950	.00340	.03800	-.16090
.902	GRADIENT	.00089	-.00182	.00000	.00000	-.00270	.00000	.00950

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OAI145 TABULATED FORCE DATA

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AMES 118-1-11 OAI145A 01

(02F089) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 10.000 ELEVON = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YO AILRON = .000 BDFLAP = .000
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPBRK = 87.200 RUDDER = .000
SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 480/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.950	-6.126	.00850	.02040	.01150	.02970	.01190	.01820	-.07610
.953	-2.032	.00850	.00000	.01150	.02970	-.00850	.01820	-.15000
.950	-.997	.00850	.01020	.01150	.02970	.00170	.01820	-.16090
.952	.049	.00850	.01020	.01150	.02970	.00170	.01820	-.14180
.952	.554	.00850	.01020	.01150	.02970	.00170	.01820	-.12540
.951	1.064	.00850	.01020	.01150	.02970	.00170	.01820	-.11710
.951	2.134	.00850	.01020	.01150	.02970	.00170	.01820	-.13360
.950	3.159	.00850	.01020	.01150	.02970	.00170	.01820	-.15000
.950	4.219	.00850	.01020	.01150	.02970	.00170	.01820	-.19370
.948	6.308	.00850	.01020	.01150	.02970	.00170	.01820	-.14180
.950	8.385	.00850	.00000	.01150	.02970	-.00850	.01820	.00247
	GRADIENT	.00000	.00102	.00000	.00000	.00102	.00000	

RUN NO. 507/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.199	-6.133	.01700	.01020	.01150	.01980	-.00680	.00830	.05540
1.203	-2.042	.00850	.01020	.01150	.01980	.00170	.00830	-.14180
1.202	-1.005	.00850	.02040	.01150	.01980	.01190	.00830	-.16090
1.199	.050	.00000	.03060	.02300	.01980	.03060	-.00320	-.16090
1.200	.554	.00000	.03060	.01150	.01980	.03060	.00830	-.16090
1.200	1.069	.00000	.03060	.01150	.01980	.03060	.00830	-.15000
1.198	2.125	.00850	.02040	.02300	.01980	.01190	-.00320	-.16090
1.199	3.174	.02550	.01020	.01150	.01980	-.01530	.00830	-.16090
1.196	4.234	.00000	.02040	.01150	.01980	.02040	.00830	-.15000
1.197	6.328	.00850	.02040	.01150	.01980	.01190	.00830	-.15000
1.198	8.407	.00850	.01020	.01150	.01980	.00170	.00830	-.19370
	GRADIENT	.00068	-.00016	.00005	.00000	-.00084	-.00005	-.00074

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OAI45 TABULATED FORCE DATA

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(02F089) (08 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 10.000 ELEVON = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO AILRON = .000 BDFLAP = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPOBRK = 87.200 RUDDER = .000
 SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 496/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.404	-6.177	.00000	.01020	.01150	.01980	.01020	.00830	-.17190
1.409	-2.049	.00000	.01020	.01150	.01980	.01020	.00830	-.22650
1.401	-1.013	.00000	.01020	.01150	.01980	.01020	.00830	-.23740
1.400	.044	.00000	.01020	.01150	.02970	.01020	.01820	-.23740
1.399	.554	.00850	.01020	.01150	.01980	.01170	.00830	-.25930
1.399	1.070	.00850	.01020	.01150	.01980	.00170	.00830	-.25930
1.400	2.131	.00000	.01020	.01150	.01980	.01020	.00830	-.20460
1.399	3.184	.00000	.01020	.01150	.01980	.01020	.00830	-.16090
1.400	4.248	.00000	.01020	.01150	.01980	.01020	.00830	-.17190
1.400	6.355	.00000	.01020	.01150	.01980	.01020	.00830	-.20460
1.400	8.446	.00850	.01020	.01150	.01980	.00170	.00830	-.19370
1.400	GRADIENT	-.00011	.00000	-.00000	-.00031	.00011	-.00031	.01252

AMES 118-1-11 OAI45A 01

(02F0C0) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 15.000 ELEVON = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO AILRON = .000 BDFLAP = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPOBRK = 87.200 RUDDER = .000
 SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 456/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.598	-6.082	.00850	.01020	.01150	.01980	.00170	.00830	-.15000
.597	-1.993	.01700	.01020	.01150	.01980	-.00680	.00830	-.15000
.598	-.957	.01700	.01020	.01150	.01980	-.00680	.00830	-.15000
.597	.089	.01700	.00000	.02300	.01980	-.01700	-.00320	-.15000
.598	.595	.01700	.00000	.01150	.01980	-.01700	.00830	-.15000
.598	1.106	.01700	.00000	.01150	.01980	-.01700	.00830	-.15000
.597	2.130	.01700	.00000	.01150	.01980	-.01700	.00830	-.15000
.598	3.165	.01700	.01020	.01150	.01980	-.00680	.00830	-.15000
.597	4.209	.01700	.01020	.01150	.01980	-.00680	.00830	-.15000
.599	6.271	.01700	.01020	.01150	.01980	-.00680	.00830	-.15000
.599	8.339	.02550	.01020	.01150	.01980	-.01530	.00830	-.16090
.599	GRADIENT	.00000	.00009	-.00037	.00000	.00009	.00037	-.00000

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(D2F0C0) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 15.000 ELEVON = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO AILRON = .000 BDFLAP = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPDBRK = 87.200 RUDDER = .000
 SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 470/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00
 MACH BETA ELV-LO ELV-LI ELV-RO ELV-RI DELL DELR DRHL
 .902 -6.180 .01700 .01020 .01150 .04950 -.00680 .03800 -.10890
 .901 -2.033 .01700 .02040 .01150 .04950 .00340 .03800 -.13360
 .901 -.987 .01700 .02040 .01150 .04950 .00340 .03800 -.14180
 .901 .067 .01700 .01020 .01150 .04950 -.00680 .03800 -.15000
 .902 .584 .01700 .01020 .01150 .04950 -.00680 .03800 -.15000
 .899 1.099 .01700 .02040 .01150 .04950 .00340 .03800 -.15000
 .902 2.135 .01700 .02040 .01150 .04950 .00340 .03800 -.15000
 .902 3.182 .00850 .02040 .01150 .04950 .01190 .03800 -.14180
 .901 4.238 .00850 .01020 .01150 .04950 .00170 .03800 -.10070
 .903 6.324 .00850 .02040 .01150 .04950 .01190 .03800 -.10070
 .900 8.413 .00850 .01020 .01150 .04950 .00170 .03800 -.09250
 GRADIENT -.00148 -.00059 .00000 .00000 .00089 .00000 .00353

RUN NO. 508/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00
 MACH BETA ELV-LO ELV-LI ELV-RO ELV-RI DELL DELR DRHL
 1.198 -6.183 .00000 .02040 .02300 .01980 .02040 -.00320 -.15000
 1.202 -2.053 .00000 .01020 .02300 .01980 .01020 -.00320 -.19370
 1.200 -1.002 .00000 .01020 .02300 .01980 .01020 -.00320 -.15000
 1.199 .061 .00000 .02040 .02300 .01980 .02040 -.00320 -.15000
 1.199 .575 .00000 .02040 .02300 .01980 .02040 -.00320 -.15000
 1.198 1.103 .00000 .03060 .02300 .01980 .03060 -.00320 -.15000
 1.197 2.145 .00000 .03060 .02300 .01980 .03060 -.00320 -.15000
 1.198 3.198 .00000 .03060 .02300 .01980 .03060 -.00320 -.15000
 1.199 4.254 .00000 .03060 .02300 .01980 .03060 -.00320 -.15000
 1.199 6.344 .00000 .03060 .02300 .01980 .03060 -.00320 -.15000
 1.197 8.434 .00000 .03060 .02300 .01980 .03060 -.00320 -.15000
 GRADIENT .00000 .00383 .00017 .00000 .00383 -.00017 .00434

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OAI45 TABULATED FORCE DATA

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(D2F0C1) (08 JUL 77)

AHES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 15.000 ELEVON = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO AILRON = .000 BDFLAP = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO RNU/L = 87.200 RUDDER = .000
 SCALE = .0500

PARAMETRIC DATA

RUN NO. 497/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.391	-6.238	.00000	.02040	.01150	.01980	.02040	.00830	.04710
1.397	-2.069	.00000	.01020	.01150	.01980	.01020	.00830	.01430
1.399	-1.006	.00000	.01020	.01150	.01980	.01020	.00830	-.00210
1.398	.059	.00000	.01020	.01150	.01980	.01020	.00830	-.00210
1.396	.586	.00000	.01020	.01150	.01980	.01020	.00830	-.00210
1.396	1.105	.00000	.01020	.01150	.01980	.01020	.00830	-.01040
1.395	2.156	.00000	.01020	.01150	.01980	.01020	.00830	-.01860
1.394	3.210	.00000	.01020	.01150	.01980	.01020	.00830	-.02580
1.393	4.276	.00000	.01020	.01150	.01980	.01020	.00830	-.04320
1.391	6.378	.00000	.01020	.01150	.01980	.01020	.00830	-.06790
1.390	8.474	.00000	.01020	.01150	.01980	.01020	.00830	-.14180
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00816

AHES 118-1-11 OAI45A 01

(D2F0C1) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = .000 BETA = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELEVON = .000 AILRON = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO BDFLAP = .000 SPDBRK = 87.200
 SCALE = .0500

PARAMETRIC DATA

RUN NO. 453/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.598	-10.072	.00850	.01020	.01150	.02970	.00170	.01820	-12.21000
.598	-5.111	.00850	.01020	.01150	.02970	.00170	.01820	-6.21910
.598	-2.524	.00850	.01020	.01150	.02970	.00170	.01820	-3.07360
.598	-.096	.00850	.01020	.01150	.01980	.00170	.00830	-.11710
.598	2.393	.01700	.01020	.01150	.01980	-.00680	.00830	2.91440
.598	4.977	.01700	.00000	.01150	.01980	-.01700	.00830	6.05630
.598	9.828	.01700	.01020	.01150	.01980	-.00680	.00830	11.91700
	GRADIENT	.00136	-.00124	.00000	-.00118	-.00260	-.00118	1.21724

AMES 118-1-11 OAI45A 01

(02F0C1) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = .000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPDBRK = 87.200
 RN/L = 5.000

RUN NO. 471/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.902	-10.072	.00000	.01020	.01150	.04950	.01020	.03800	-12.21000
.902	-5.126	.00000	.01020	.01150	.04950	.01020	.03800	-6.23730
.902	-2.507	.00000	.01020	.01150	.04950	.01020	.03800	-3.05380
.902	-1.103	.00000	.01020	.01150	.04950	.01020	.03800	-1.2540
.902	2.401	.00000	.01020	.01150	.04950	.01020	.03800	2.92490
.901	4.977	.00000	.01020	.01150	.04950	.01020	.03800	6.05630
.902	9.828	.00000	.01020	.01150	.04950	.01020	.03800	11.91700
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	1.21725

RUN NO. 482/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.951	-10.054	.00000	.02040	.01150	.02970	.02040	.01820	-12.18800
.952	-5.111	.00000	.02040	.01150	.02970	.02040	.01820	-6.21910
.952	-2.532	.00000	.02040	.01150	.02970	.02040	.01820	-3.08350
.952	-1.110	.00000	.02040	.01150	.02970	.02040	.01820	-1.3360
.951	2.410	.00000	.02040	.01150	.02970	.02040	.01820	2.93530
.952	4.959	.00000	.02040	.01150	.02970	.02040	.01820	6.03390
.952	9.828	.00000	.02040	.01150	.02970	.02040	.01820	11.91700
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	1.21727

RUN NO. 509/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.204	-10.063	.00000	.02040	.01150	.01980	.02040	.00830	-12.19900
1.200	-5.111	.00000	.03060	.01150	.01980	.03060	.00830	-6.21910
1.199	-2.524	.00000	.03060	.01150	.01980	.03060	.00830	-3.07360
1.200	-1.089	.00000	.03060	.01150	.01980	.03060	.00830	-1.10890
1.199	2.410	.00850	.03060	.02300	.01980	.02210	-.00320	2.93530
1.200	4.949	.00000	.03060	.01150	.01980	.03060	.00830	6.02270
1.200	9.804	.00850	.03060	.01150	.01980	.02210	.00830	11.88800
1.199	GRADIENT	.00033	.00000	.00045	.00000	-.00033	-.00045	1.21727

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(D2F0C2) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPOBRK = 87.200
 RN/L = 5.000

RUN NO. 452/ 0		RN/L = 4.96		GRADIENT INTERVAL = -5.00/ 5.00	
MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI
.597	-10.045	.00850	.01020	.01150	.02970
.596	-5.141	.00850	.01020	.01150	.02970
.597	-2.499	.00850	.01020	.01150	.02970
.597	-.089	.00850	.01020	.01150	.02970
.598	2.410	.00850	.01020	.01150	.02970
.598	4.949	.00850	.01020	.01150	.02970
.598	9.804	.00850	.01020	.01150	.02970
	GRADIENT	.00000	.00000	.00000	.00000
				DELL	DELR
				.00170	.01820
				.00170	.01820
				.00170	.01820
				.00170	.01820
				.00170	.01820
				.00170	.01820
				.00170	.01820
				.00000	.00000
					DRHL
					-12.17800
					-6.25550
					-3.04390
					-.10890
					2.93530
					6.02270
					11.88800
					1.21727

RUN NO. 464/ 0		RN/L = 4.97		GRADIENT INTERVAL = -5.00/ 5.00	
MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI
.901	-10.063	.00850	.01020	.01150	.02970
.902	-5.119	.00850	.01020	.01150	.04950
.902	-2.532	.00000	.01020	.01150	.04950
.902	-.110	.01700	.02040	.01150	.04950
.902	2.419	.01700	.02040	.01150	.04950
.902	4.986	.01700	.01020	.01150	.04950
.903	9.812	.00850	.02040	.01150	.04950
	GRADIENT	.00201	-.00002	-.00000	-.00000
				DELL	DELR
				.00170	.01820
				.00170	.03800
				.01020	.03800
				.00340	.03800
				.00340	.03800
				-.00680	.03800
				.01190	.03800
				.00204	.00000
					DRHL
					-12.19900
					-6.22820
					-3.08350
					-.13360
					2.94580
					6.06750
					11.89800
					1.21725

RUN NO. 475/ 0		RN/L = 4.99		GRADIENT INTERVAL = -5.00/ 5.00	
MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI
.951	-10.045	.01700	.04080	.01150	.04950
.952	-5.111	.01700	.04080	.01150	.04950
.952	-2.516	.01700	.04080	.01150	.04950
.950	-.110	.01700	.03060	.01150	.04950
.952	2.401	.01700	.04080	.01150	.04950
.952	4.986	.01700	.04080	.01150	.04950
.951	9.820	.01700	.04080	.01150	.04950
	GRADIENT	.00000	.00042	.00000	.00000
				DELL	DELR
				.02380	.03800
				.02380	.03800
				.02380	.03800
				.01360	.03800
				.02380	.03800
				.02380	.03800
				.02380	.03800
				.00042	.00000
					DRHL
					-12.17800
					-6.21910
					-3.06370
					-.13360
					2.92490
					6.06750
					11.90700
					1.21724

AMES 118-1-11 OAI45A 01

(DEF0C2) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BOFLAP = .000 SPOBRK = 87.200
 RN/L = 5.000

RUN NO. 490/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.201	-10.072	.00000	.02040	.01150	.02970	.02040	.01820	-12.21000
1.200	-5.104	.00000	.02040	.01150	.02970	.02040	.01820	-6.21000
1.200	-2.467	.00000	.02040	.01150	.02970	.02040	.01820	-3.00430
1.200	-.069	.00000	.02040	.01150	.02970	.02040	.01820	-.08430
1.199	2.410	.00000	.02040	.01150	.02970	.02040	.01820	2.93530
1.200	4.931	.00000	.02040	.01150	.02970	.02040	.01820	6.00020
1.201	9.804	.00000	.02040	.01150	.01980	.02040	.00830	11.88800
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	1.21725

RUN NO. 505/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.402	-10.045	.00000	.00000	.01150	.01980	.00000	.00830	-12.17800
1.403	-5.134	.00000	.00000	.01150	.01980	.00000	.00830	-6.24640
1.403	-2.516	.00000	.02040	.02300	.01980	.02040	.00320	-3.06370
1.404	-.089	.00000	.02040	.02300	.01980	.02040	.00320	-.10890
1.403	2.357	.00000	.02040	.01150	.01980	.02040	.00830	2.88290
1.403	4.977	.00000	.02040	.02300	.01980	.02040	.00320	6.05630
1.404	9.828	.00000	.03060	.02300	.01980	.03060	.00320	11.91700
	GRADIENT	.00000	.00000	-.00044	.00000	.00000	.00044	1.21724

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(02F0C3) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPOBRK = 87.200
 RN/L = 5.000

RUN NO. 454/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00
 MACH .597 RUDDER ELV-LO ELV-LI ELV-RO ELV-RI DELL DRHL
 .597 -10.089 .06800 .01020 .01150 .01980 -.05780 -.12.23100
 .597 -5.126 .06800 .01020 .01150 .01980 -.05780 -6.23730
 .598 -2.516 .06800 .01020 .01150 .01980 -.05780 -3.06370
 .597 -1.116 .06800 .01020 .01150 .01980 -.05780 -1.14180
 .597 2.401 .05950 .00000 .01150 .02970 -.05950 2.92490
 .598 4.977 .05950 .00000 .01150 .01980 -.05950 6.05630
 .598 9.844 .05950 .00000 .01150 .01980 -.05950 11.93600
 GRADIENT -.00136 -.00163 .00000 .00038 -.00027 -.00038 -1.21724

RUN NO. 472/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00
 MACH .900 RUDDER ELV-LO ELV-LI ELV-RO ELV-RI DELL DRHL
 .901 -10.063 .00850 .02040 .01150 .04950 .01190 -.12.19900
 .902 -5.119 .00850 .02040 .01150 .04950 .01190 -6.22820
 .902 -2.507 .00850 .02040 .01150 .04950 .01190 -3.05380
 .903 -1.110 .00850 .02040 .01150 .04950 .01190 -1.13360
 .903 2.384 .00850 .02040 .01150 .04950 .01190 2.90390
 .903 4.959 .00000 .02040 .01150 .04950 .02040 6.03390
 .902 9.796 .00000 .02040 .01150 .04950 .02040 11.87900
 GRADIENT -.00104 .00000 .00000 .00000 .00104 .00000 1.21727

RUN NO. 481/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00
 MACH .952 RUDDER ELV-LO ELV-LI ELV-RO ELV-RI DELL DRHL
 .951 -10.063 .00000 .01020 .01150 .02970 .01020 -.12.19900
 .951 -5.119 .00000 .01020 .01150 .02970 .01020 -6.22820
 .953 -2.524 .00000 .01020 .01150 .02970 .01020 -3.07360
 .951 -1.116 .00000 .00000 .01150 .02970 .00000 -1.14180
 .951 2.410 .00850 .00000 .01150 .02970 -.00850 2.93530
 .951 4.977 .00000 .00000 .01150 .02970 .00000 6.05630
 .952 9.804 .00000 .00000 .01150 .02970 .00000 11.88800
 GRADIENT .00033 -.00121 .00000 .00000 -.00154 .00000 1.21724

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(D2F0C3) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 10.000 BETA = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELEVON = .000 AILRON = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO BDFLAP = .000 SPDBRK = 87.200
 SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 510/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.200	-10.063	.0000	.0306	.0115	.0198	.0306	.0083	-12.1990
1.200	-5.126	.0000	.0306	.0230	.0198	.0306	.0032	-6.2373
1.199	-2.524	.0000	.0306	.0115	.0198	.0306	.0083	-3.0736
1.200	-1.103	.0000	.0306	.0115	.0198	.0306	.0083	-1.2540
1.200	2.376	.0000	.0306	.0230	.0198	.0306	.0032	2.8934
1.200	4.959	.0000	.0306	.0230	.0198	.0306	.0032	6.0339
1.200	9.804	.0000	.0306	.0230	.0198	.0306	.0032	11.8880
	GRADIENT	.0000	.0000	.00184	.0000	.0000	.00184	1.21726

RUN NO. 499/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.403	-9.919	.0085	.0204	.0115	.0198	.0119	.0083	-12.0270
1.404	-5.126	.0085	.0306	.0115	.0198	.0210	.0083	-6.2373
1.405	-2.516	.0085	.0306	.0115	.0198	.0210	.0083	-3.0637
1.406	-.062	.0170	.0306	.0115	.0198	.0136	.0083	-.0761
1.404	2.401	.0170	.0306	.0115	.0198	.0136	.0083	2.9249
1.404	4.959	.0170	.0306	.0115	.0198	.0136	.0083	6.0339
1.403	9.820	.0170	.0306	.0115	.0198	.0136	.0083	11.9070
	GRADIENT	.00102	.0000	.0000	.0000	-.00102	.0000	1.21726

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0A145 TABULATED FORCE DATA

PAGE 1547

AMES 118-1-11 0A145A 01

(02F0C4) (08 JUL 77)

REFERENCE DATA

SREF = 2590.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 15.000 BETA = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELEVON = .000 AILRON = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO BOT'LAP = .000 SPDRK = 87.200
 SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 511/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.197	-10.054	.0000	.0204	.02300	.01980	.02040	-.00320	-12.16800
1.199	-5.126	.0000	.01020	.02300	.01980	.01020	-.00320	-6.23730
1.200	-2.532	.0000	.02040	.02300	.01980	.02040	-.00320	-3.08350
1.197	-1.110	.0000	.02040	.02300	.01980	.02040	-.00320	-.13360
1.199	2.376	.0000	.02040	.02300	.02970	.02040	.00670	2.89340
1.199	4.959	.0000	.02040	.02300	.01980	.02040	-.00320	6.03390
1.200	9.812	.0000	.02040	.02300	.01980	.02040	-.00320	11.89800
	GRADIENT	.0000	.0000	.0000	.00038	.00000	.00038	1.21727

RUN NO. 498/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.397	-10.107	.0000	.0000	.01150	.01980	.00000	.00830	-12.25300
1.397	-5.104	.0000	.02040	.01150	.01980	.02040	.00830	-6.21000
1.395	-2.483	.0000	.02040	.01150	.00990	.02040	-.00160	-3.02410
1.397	-.096	.0000	.01020	.01150	.01980	.01020	.00830	-.11710
1.395	2.436	.0000	.01020	.01150	.01980	.01020	.00830	2.96680
1.394	4.977	.0000	.01020	.01150	.01980	.01020	.00830	6.05630
1.395	9.780	.0000	.01020	.01150	.01980	.01020	.00830	11.85900
	GRADIENT	.0000	-.00121	.00000	.00118	-.00121	.00118	1.21725

OAI145 TABULATED FORCE DATA

DATE 10 MAR 80

(02F0C5) (08 JUL 77)

AMES 118-1-11 OAI145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPOBRK = 87.200 RUDDER = -5.000
RN/L = 5.000

PARAMETRIC DATA

RUN NO. 451/ 0 RN/L = 4.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.597	-5.027	.01700	.01020	.01150	.02970	-.00680	.01820	-6.21910
.598	-.035	.01700	.01020	.01150	.02970	-.00680	.01820	-6.21910
.597	2.523	.01700	.01020	.01150	.02970	-.00680	.01820	-6.21000
.596	5.042	.01700	.01020	.01150	.02970	-.00680	.01820	-6.20090
.595	7.088	.00850	.01020	.01150	.02970	.00170	.01820	-6.21910
.596	8.125	.00000	.01020	.01150	.02970	.01020	.01820	-6.22820
.595	10.188	.05100	.01020	.01150	.02970	-.04080	.01820	-6.22820
.597	12.232	.04250	.01020	.01150	.02970	-.03230	.01820	-6.22820
.596	15.276	.01700	.01020	.01150	.02970	-.00680	.01820	-6.22820
GRADIENT		-.00000	.00000	-.00000	.00000	.00000	.00000	.00356

RUN NO. 465/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.902	-5.257	.01700	.02040	.01150	.04950	-.00680	.03800	-6.22820
.903	.060	.01700	.02040	.01150	.04950	.00340	.03800	-6.21000
.904	2.478	.01700	.02040	.01150	.04950	.00340	.03800	-6.20090
.902	4.957	.01700	.02040	.01150	.04950	.00340	.03800	-6.22820
.902	6.976	.01700	.02040	.01150	.04950	.00340	.03800	-6.21910
.900	7.972	.01700	.02040	.01150	.04950	.00340	.03800	-6.21000
.901	9.977	.01700	.02040	.01150	.04950	.00340	.03800	-6.21910
.902	11.928	.01700	.02040	.01150	.03960	-.00680	.02810	-6.23730
.901	14.820	.01700	.02040	.01150	.03960	.00340	.02810	.00557
GRADIENT		.00000	.00000	-.00000	.00000	.00000	.00000	

RUN NO. 476/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.953	-5.097	.00850	.02040	.01150	.04950	.01190	.03800	-6.19180
.952	-.466	.00850	.02040	.01150	.04950	.01190	.03800	-6.21910
.953	2.284	.00850	.02040	.01150	.04950	.01190	.03800	-6.21910
.951	4.929	.00000	.03060	.01150	.04950	.03060	.03800	-5.21000
.951	7.054	.00850	.03060	.01150	.04950	.02210	.03800	-6.21000
.950	8.061	.01700	.03060	.01150	.04950	.01360	.03800	-6.21910
.952	10.143	.00850	.01020	.01150	.04950	.00170	.03800	-6.21910
.952	12.048	.00850	.03060	.01150	.04950	.02210	.03800	-6.21910
.951	15.034	.00850	.02040	.01150	.04950	.01190	.03800	-6.21910
GRADIENT		-.00157	.00188	-.00000	.00000	.00344	.00000	.00168

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OAI45 TABULATED FORCE DATA

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(02F0C5) (08 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BOFLAP = .000
SPDBRK = 87.200 RUDDER = -5.000
RN/L = 5.000

RUN NO. 491/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.200	-5.196	.00000	.02040	.01150	.02970	.02040	.01820	-6.22820
1.200	-1.168	.00000	.01020	.01150	.02970	.01020	.01820	-6.22820
1.200	2.410	.00000	.01020	.01150	.02970	.01020	.01820	-6.21910
1.196	4.992	.00000	.01020	.01150	.02970	.01020	.01820	-6.21910
1.198	7.057	.00000	.01020	.01150	.02970	.01020	.01820	-6.21910
1.199	8.094	.00000	.00000	.01150	.02970	.00000	.01820	-6.21000
1.202	10.129	.00000	.01020	.01150	.02970	.01020	.01820	-6.20090
1.202	12.152	.00000	.00000	.01150	.03960	.00000	.02810	-6.19180
1.199	15.184	.00000	.00000	.01150	.03960	.00000	.02810	-6.20090
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00176

RUN NO. 501/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.402	-5.088	.01700	.02040	.01150	.01980	.00340	.00830	-6.18270
1.401	-0.032	.00850	.03060	.01150	.01980	.02210	.00830	-6.15550
1.400	2.494	.00850	.03060	.01150	.01980	.02210	.00830	-6.14640
1.400	5.077	.00850	.02040	.01150	.01980	.01190	.00830	-6.14640
1.403	7.183	.00000	.01020	.01150	.01980	.01020	.00830	-6.11910
1.402	8.181	.00000	.02040	.01150	.00990	.02040	.00160	-6.11000
1.400	10.236	.00000	.01020	.01150	.01980	.01020	.00830	-6.09180
1.397	12.227	.00850	.02040	.01150	.01980	.01190	.00830	-6.22820
1.394	15.280	.00850	.02040	.01150	.01980	.01190	.00830	-6.21000
	GRADIENT	-.00000	.00000	-.00000	-.00000	-.00000	-.00000	.00360

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(02F0C6) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPOBRK = 87.200 RUDDER = -5.000
 RN/L = 5.000

RUN NO. 448/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.598	-6.016	.05100	.00000	.02300	.01980	-.05100	-.00320	-6.26450
.597	-1.917	.05100	.00000	.02300	.01980	-.05100	-.00320	-6.28270
.597	-.877	.05100	.00000	.02300	.01980	-.05100	-.00320	-6.28270
.597	.031	.05100	.00000	.02300	.01980	-.05100	-.00320	-6.28270
.597	.510	.05100	.00000	.02300	.02970	-.05100	.00670	-6.27360
.597	1.020	.05100	.00000	.02300	.02970	-.05100	.00670	-6.28270
.597	2.085	.05100	.00000	.02300	.01980	-.05100	-.00320	-6.28270
.597	3.128	.05100	.00000	.02300	.02970	-.05100	.00670	-6.27360
.597	4.161	.05950	.00000	.02300	.01980	-.05950	-.00320	-6.27360
.597	6.218	.00000	.00000	.02300	.02970	.00000	.00670	-6.26450
	GRADIENT	.00092	.00000	.00000	.00055	-.00092	.00055	.00149

RUN NO. 465/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.903	-6.109	.00850	.02040	.01150	.03960	.01190	.02810	-6.21910
.902	-1.952	.00000	.02040	.01150	.03960	.02040	.02810	-6.21000
.902	-.904	.00850	.02040	.01150	.04950	.01190	.03800	-6.19180
.903	.009	.00850	.01020	.01150	.03960	.00170	.02810	-6.21910
.901	.663	.00850	.01020	.01150	.04950	.00170	.03800	-6.21910
.902	1.171	.00850	.01020	.01150	.04950	.00170	.03800	-6.22820
.902	2.216	.00850	.01020	.01150	.04950	.00170	.03800	-6.24640
1.144	3.259	.00850	.01020	.01150	.04950	.00170	.03800	-6.25550
.904	4.304	.00850	.00000	.01150	.04950	-.00850	.03800	-6.26450
.899	6.380	.00850	.01020	.01150	.04950	.00170	.03800	-6.29180
	GRADIENT	.00084	-.00273	.00000	.00133	-.00356	.00133	-.01094

RUN NO. 477/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.953	-6.085	.00850	.02040	.01150	.02970	.01190	.01820	-6.19180
.953	-1.951	.00850	.02040	.01150	.02970	.01190	.01820	-6.23730
.950	-.906	.00850	.02040	.01150	.02970	.01190	.01820	-6.23730
.950	.151	.00850	.01020	.01150	.02970	.00170	.01820	-6.24640
.951	.662	.00850	.01020	.01150	.02970	.00170	.01820	-6.24640
.952	1.179	.01700	.01020	.01150	.02970	-.00680	.01820	-6.25550
.951	2.226	.01700	.01020	.01150	.02970	-.00680	.01820	-6.28270
.951	3.264	.01700	.01020	.01150	.02970	-.00680	.01820	-6.28270
.949	4.304	.01700	.00000	.01150	.02970	-.01700	.01820	-1.00240
.950	6.372	.01700	.00000	.01150	.02970	-.01700	.01820	-1.00240
	GRADIENT	.00181	-.00275	.00000	.00000	-.00456	.00000	-.00816

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

PAGE 1552

AMES 118-1-11 0A145A 01

(02F0C7) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 FLEVON = .000
 ATLRON = .000 BDFLAP = .000
 SPDBRK = 87.200 RUDDER = -10.000
 RN/L = 5.000

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.597	-6.017	.00000	.00000	.01150	.02970	.00000	.01820	-12.18800
.597	-1.911	.00000	.00000	.01150	.01980	.00000	.00830	-12.18800
.597	-.872	.00000	.00000	.01150	.01980	.00000	.00830	-12.19900
.598	.035	.00000	.00000	.01150	.02970	.00000	.01820	-12.19900
.597	.508	.00000	.00000	.02300	.02970	.00000	.00670	-12.19900
.597	1.029	.00000	.00000	.02300	.02970	.00000	.00670	-12.19900
.597	2.093	.00000	.00000	.02300	.02970	.00000	.00670	-12.21000
.597	3.134	.00000	.00000	.02300	.02970	.00000	.00670	-12.21000
.597	4.166	.00000	.00000	.02300	.02970	.00000	.00670	-12.22100
.596	6.222	.00000	.00000	.02300	.01980	.00000	-.00320	-12.21000
	GRADIENT	.00000	.00000	.00231	.00165	.00000	-.00066	-.00472

RUN NO. 449/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.905	-6.104	.00000	.02040	.01150	.04950	.02040	.03800	-12.12400
.902	-1.945	.00000	.01020	.01150	.04950	.01020	.03800	-12.18800
.902	-.903	.00000	.01020	.01150	.04950	.01020	.03800	-12.18800
.902	.143	.00000	.01020	.01150	.04950	.01020	.03800	-12.18800
.901	.679	.01700	.02040	.01150	.04950	.00340	.03800	-12.18800
.901	1.181	.01700	.01020	.01150	.04950	-.00680	.03800	-12.19900
.902	2.226	.01700	.01020	.01150	.04950	-.00680	.03800	-12.23100
.901	3.266	.01700	.01020	.01150	.04950	-.00680	.03800	-12.17800
.901	4.307	.01700	.01020	.01150	.04950	-.00680	.03800	-12.21000
.900	6.384	.01700	.00000	.01150	.04950	-.01700	.03800	-12.19900
.898	GRADIENT	.00337	-.00015	.00000	.00000	-.00351	.00000	-.00316

RUN NO. 467/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.198	-6.064	.00000	.02040	.01150	.03960	.02040	.02810	-12.18800
1.199	-1.936	.00000	.00000	.01150	.03960	.00000	.02810	-12.25300
1.200	-.895	.00000	.02040	.01150	.03960	.02040	.02810	-12.24200
1.197	.163	.00000	.02040	.01150	.03960	.02040	.02810	-12.24200
1.201	.638	.00000	.02040	.01150	.03960	.02040	.02810	-12.25300
1.199	1.156	.00000	.02040	.01150	.03960	.02040	.02810	-12.26400
1.200	2.206	.00000	.01020	.01150	.03960	.01020	.02810	-12.26400
1.199	3.252	.00000	.00000	.01150	.03960	.00000	.02810	-12.27400
1.199	4.288	.00850	.00000	.01150	.03960	-.00850	.02810	-12.28500
1.200	6.359	.00000	.01020	.01150	.03960	-.01020	.02810	-12.29600
1.197	GRADIENT	.00089	-.00190	.00000	-.00000	-.00279	.00000	-.00633

RUN NO. 493/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

(D2F0C7) (08 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .0000 BDELAP = .000
 SPOBRK = 87.200 RUDDER = -10.000
 RN/L = 5.000

RUN NO. 503/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.402	-6.127	.00850	.02040	.01150	.01980	.01190	.00830	-12.30700
1.404	-1.969	.00000	.02040	.01150	.01980	.02040	.00830	-12.36000
1.404	-.917	.00000	.02040	.01150	.01980	.02040	.00830	-12.37100
1.405	.162	.00000	.02040	.01150	.01980	.02040	.00830	-12.38200
1.403	.647	.00000	.02040	.01150	.00990	.02040	.00160	-12.23100
1.402	1.166	.00000	.02040	.02300	.00990	.02040	.01310	-12.17800
1.401	2.224	-.01010	.02040	.01150	.00990	.03050	.00160	-12.05900
1.401	3.276	.00000	.02040	.01150	.00990	.02040	.00160	-11.98400
1.402	4.321	.00000	.02040	.02300	.01980	.02040	.00320	-12.24200
1.401	6.412	.00850	.02040	.01150	.01980	.01190	.00830	-12.28500
	GRADIENT	-.00036	.00000	.00121	-.00091	.00036	-.00213	.04905

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

(02F0C8) (08 JUL 77)

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
AILRON = .000 BDFLAP = -11.700
SPOBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 792/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.598	-9.951	-9.95120	-9.95700	-9.95630	-9.94060	-.00580	.01570	-.12540
.598	-7.948	-7.95650	-7.95080	-7.94460	-7.94060	.00570	.00400	-.11710
.599	-5.953	-5.96230	-5.95370	-5.94830	-5.94600	.00860	.00230	-.12540
.598	-3.940	-3.95150	-3.94970	-3.94000	-3.92030	.00180	.01970	-.11710
.598	-2.937	-2.95200	-2.95000	-2.92820	-2.91830	.00200	.00990	-.12540
.598	-1.950	-1.95640	-1.95110	-1.95300	-2.91830	.00530	.01220	-.12540
.598	-.949	-.95960	-.94500	-.94160	-.94950	.01450	-.00790	-.11710
.598	.015	.00000	.03060	.00000	.02970	.03060	.02970	-.12540
.598	1.012	.99570	1.00960	1.02350	1.02020	.01390	-.00330	-.12540
.598	2.007	1.99500	2.00370	1.99530	2.03000	.00870	.03170	-.12540
.598	3.011	2.99500	3.01470	3.02310	3.01000	.01970	-.01310	-.11710
.598	4.008	4.00260	4.00180	4.01110	4.01840	-.00080	.00730	-.11710
.598	6.004	6.00680	5.96960	6.00850	6.03060	-.03720	.02210	-.11710
.597	8.023	8.01970	7.99630	8.03100	8.04550	-.02340	.01450	-.11710
.597	10.015	10.01000	9.98880	10.02000	10.04200	-.02100	.02230	-.11710
	GRADIENT	1.00002	1.00083	1.00020	.99893	.00081	-.00127	.00028

RUN NO. 808/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.901	-9.953	-9.96100	-9.92380	-9.96560	-9.96040	.03720	.00520	-.13360
.900	-7.946	-7.93920	-7.96100	-7.93400	-7.95050	-.02180	-.01650	-.13360
.900	-5.942	-5.94370	-5.95370	-5.93700	-5.93520	-.01000	.00180	-.12540
.899	-3.939	-3.94190	-3.92890	-3.93000	-3.95450	.01300	-.02450	-.13360
.901	-2.943	-2.95200	-2.93000	-2.95880	-2.92970	.02200	.02910	-.13360
.899	-1.940	-1.93560	-1.93030	-1.95300	-1.94080	.00530	.01220	-.13360
.901	-.946	-.95960	-.92230	-.94160	-.95960	.03730	-.01800	-.13360
.901	.019	.01700	.03060	.00000	.02970	.01360	.02970	-.13360
.901	1.012	.99570	1.01980	1.01200	1.02020	.02410	.00820	-.13360
.900	2.009	2.00570	2.00370	1.98820	2.04000	-.00200	.05180	-.14180
.900	3.023	3.00530	3.02570	3.03280	3.03000	.02040	-.00280	-.13360
.900	4.018	4.01280	4.00180	4.02100	4.03680	-.01100	.01580	-.13360
.900	6.018	6.00680	6.01660	6.00850	6.04080	.00980	.03230	-.13360
.899	7.971	7.83340	8.00530	8.02120	8.02380	.01790	.00260	-.13360
.897	10.005	9.99650	9.98880	10.00200	10.03300	-.00770	.03040	-.13360
.899	GRADIENT	.99911	.99695	1.00056	1.00341	-.00216	.00285	-.00027

DATE 10 MAR 80

OAI145 TABULATED FORCE DATA

PAGE 1555

AMES 118-1-11 OAI145A 01

(D2F0C9) (08 JUL 77)

REFERENCE DATA

SREF = 2650.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

ALPHA = 5.000 BETA = .000
 AILRON = .000 BDFLAP = 16.300
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 795/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.598	-9.943	-9.93160	-9.93490	-9.96560	-9.94060	-.00330	.02500	-.13360
.598	-7.948	-7.95650	-7.95080	-7.94460	-7.94060	.00570	.00400	-.14180
.598	-5.945	-5.94370	-5.95370	-5.93700	-5.94600	-.01000	-.00900	-.13360
.599	-3.938	-3.95150	-3.94970	-3.93000	-3.92030	.00180	.00970	-.14180
.598	-2.945	-2.96160	-2.94000	-2.93840	-2.94110	.02160	-.00270	-.14180
.598	-1.953	-1.94600	-1.95110	-1.96240	-1.95060	-.00510	.01180	-.13360
.598	-.944	-.95960	-.93370	-.94160	-.93940	.02590	.00220	-.14180
.599	.035	.01700	.04080	.03450	.04950	.02380	.01500	-.14180
.601	1.010	.98660	1.01980	1.02350	1.01010	.03320	-.01340	-.13360
.599	2.012	2.00570	1.99300	2.01850	2.03000	-.01270	.01150	-.14180
.598	3.016	3.00530	3.01470	3.02310	3.02000	.00940	-.00310	-.13360
.598	4.013	4.01280	4.00180	4.01110	4.02760	-.01100	.01650	-.13360
.598	6.016	6.00680	6.00720	6.03080	6.02040	.00040	-.01040	-.14180
.598	8.002	7.99540	7.98730	8.00160	8.02380	-.00810	.02220	-.13360
.598	10.014	10.02300	9.99650	9.99350	10.04200	-.02660	.04840	-.11710
.598	GRADIENT	1.00063	.99902	1.00009	1.00026	-.00161	.00017	.00082

RUN NO. 811/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.902	-9.949	-9.94140	-9.95700	-9.96560	-9.93070	-.01560	.03490	-.16090
.900	-7.938	-7.93920	-7.93040	-7.93400	-7.95050	.00880	-.01650	-.03500
.900	-5.937	-5.94370	-5.94380	-5.92570	-5.93520	-.00010	-.00950	-.07610
.900	-3.937	-3.96100	-3.91850	-3.95000	-3.92030	.04250	.02970	-.13360
.899	-2.943	-2.95200	-2.94000	-2.94860	-2.92970	.01200	.01890	-.13360
.901	-1.937	-1.93560	-1.93030	-1.95300	-1.93100	.00530	.02200	-.12540
.900	-.936	-.93940	-.93370	-.94160	-.92930	.00570	.01230	-.12540
.899	.016	.02550	.01020	.00000	.02970	-.01530	.02970	-.13360
.900	1.015	.99570	1.01980	1.03500	1.01010	.02410	-.02490	-.13360
.900	2.023	2.01640	2.02510	2.00840	2.04000	.00870	.03160	-.13360
.899	3.026	3.01560	3.02570	3.02310	3.04000	.01010	.01690	-.12540
.900	4.013	4.01280	4.01170	4.01110	4.01840	-.00110	.00730	-.12540
.896	6.009	6.00680	5.98840	6.02000	6.02040	-.01840	.00040	-.13360
.899	8.009	8.00350	7.99630	8.01140	8.02380	-.00720	.01240	-.12540
.899	10.007	10.02300	9.98120	10.00200	10.02300	-.04190	.02110	-.12540
.899	GRADIENT	1.00094	.99835	1.00131	.99940	-.00260	-.00190	.00056

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

(02F000) (08 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = .000 BETA = .000
AILRON = .000 BDFLAP = -11.700
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 793/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.599	-9.943	-9.93160	-9.93490	-9.95630	-9.95050	-.00330	.00580	-.11710
.599	-7.950	-7.96510	-7.94060	-7.93400	-7.96040	.02450	-.02640	-.13360
.599	-5.940	-5.93440	-5.95370	-5.93700	-5.93520	-.01930	.00180	-.11710
.599	-3.931	-3.93240	-3.92890	-3.93000	-3.93170	.00350	-.00170	-.11710
.599	-2.947	-2.96160	-2.96000	-2.94860	-2.91830	.00160	.03030	-.12540
.599	-1.943	-1.94600	-1.94070	-1.95300	-1.93100	.00530	.02200	-.11710
.599	-.938	-.94950	-.92230	-.94160	-.93940	.02720	.00220	-.11710
.599	.017	.00850	.02040	.00000	.03960	.01190	.03960	-.11710
.599	1.009	1.00490	.99940	1.02350	1.01010	-.00540	-.01340	-.10890
.599	2.012	2.00570	2.00370	2.00840	2.03000	-.00200	.02160	-.13360
.598	3.021	3.01560	3.01470	3.01340	3.04000	-.00090	.02660	-.13360
.599	4.001	3.99240	3.99190	4.00120	4.01840	-.00050	.01720	-.13360
.599	6.009	6.00680	5.97900	6.02000	6.03060	-.02780	.01060	-.13360
.599	8.018	8.01970	7.98730	8.02120	8.04550	-.03240	.02430	-.13360
.599	10.015	10.01000	9.96500	10.01100	10.04200	-.01330	.03100	-.13360
.599	GRADIENT	1.00001	.99882	1.00017	1.00098	-.00118	.00081	-.00194

RUN NO. 809/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.902	-9.941	-9.94140	-9.92380	-9.95630	-9.94060	.01760	.01570	-.21560
.902	-7.951	-7.95650	-7.94060	-7.94460	-7.96040	.01590	-.01580	-.14180
.902	-5.945	-5.95300	-5.95370	-5.94830	-5.92440	-.00070	.02390	-.10070
.901	-3.935	-3.95150	-3.92890	-3.94000	-3.92030	.02250	.01970	-.10070
.901	-2.940	-2.94240	-2.94000	-2.94860	-2.92970	.00240	.01890	-.10070
.901	-1.948	-1.94600	-1.94070	-1.95300	-1.95060	.00530	.00240	-.10070
.901	-.938	-.94950	-.92230	-.93090	-.94950	.02720	-.01860	-.09250
.901	.019	.02550	.03060	.00000	.01980	.00510	.01980	-.09250
.902	1.014	1.01400	1.00960	1.02350	1.01010	-.00440	-.01340	-.10890
.901	2.007	1.99500	2.00370	1.99830	2.03000	.00870	.03170	-.12540
.901	3.016	3.00530	3.02570	3.00370	3.03000	.02040	.02630	-.11710
.901	4.016	4.02300	4.01170	4.00120	4.02760	-.01130	.02640	-.11710
.900	6.004	5.98720	5.98840	6.00850	6.03060	.00120	.02210	-.11710
.900	8.016	8.01160	8.00530	8.01140	8.03470	-.00630	.02330	-.11710
.901	10.005	9.99650	9.98880	10.01100	10.02300	-.00770	.01240	-.11710
.900	GRADIENT	1.00087	.99909	.99906	1.00095	-.00177	.00189	-.00303

DATE 10 MAR 80

OAI145 TABULATED FORCE DATA

PAGE 1557

AMES 118-1-11 OAI145A 01

(D2F001) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = .000 BETA = .000
 AILRON = .000 DELAP = 16.300
 SPDGRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 796/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.599	-9.949	-9.95120	-9.94590	-9.95630	-9.94060	.00530	.01570	-.13360
.599	-7.963	-7.97370	-7.96100	-7.95510	-7.96040	.01270	-.00520	-.14180
.599	-5.945	-5.94370	-5.95370	-5.93700	-5.94600	.01000	-.00900	-.14180
.600	-3.941	-3.95150	-3.92890	-3.94000	-3.94310	.02250	-.00310	-.14180
.599	-2.945	-2.95200	-2.95000	-2.94860	-2.92970	.00200	.01890	-.14180
.599	-1.945	-1.95640	-1.93030	-1.96240	-1.93100	.02610	.03140	-.13360
.599	-.949	-.95960	-.94500	-.93090	-.95960	.01450	-.02870	-.14180
.598	.014	.01700	.01020	.00000	.02970	-.00680	.02970	-.14180
.599	1.009	1.00490	.99940	1.00050	1.03030	-.00540	.02980	-.13360
.598	2.012	1.99500	2.00370	2.01850	2.03000	.00870	.01150	-.14180
.598	3.013	3.00530	2.99270	3.02310	3.03000	-.01260	.00690	-.14180
.598	4.009	4.01280	3.98200	4.02100	4.01840	-.03080	-.00260	-.14180
.599	6.016	6.01660	6.00720	6.00850	6.03060	-.00940	.02210	-.14180
.598	8.013	8.01160	7.99630	8.02120	8.02380	-.01530	.00260	-.13360
.598	10.013	10.03600	9.98120	10.00200	10.03300	-.05520	.03040	-.14180
	GRADIENT	1.00090	.99565	1.00185	1.00157	-.00523	-.00027	-.00014

RUN NO. 812/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.896	-9.958	-9.97080	-9.93490	-9.96560	-9.96040	.03590	.00520	-.11710
.902	-7.953	-7.95650	-7.95080	-7.94460	-7.96040	.00570	-.01580	-.12540
.902	-5.937	-5.94370	-5.94380	-5.92570	-5.93520	-.00010	-.00950	-.11710
.901	-3.935	-3.95150	-3.92890	-3.93000	-3.93170	.02250	-.00170	-.12540
.900	-2.930	-2.94240	-2.94000	-2.91800	-2.91830	.00240	-.00030	-.11710
.901	-1.943	-1.94600	-1.94070	-1.95300	-1.93100	.00530	.02200	-.10890
.901	-.936	-.93940	-.92230	-.95230	-.92930	.01710	.02300	-.10890
.900	.017	.01700	.02040	.00000	.02970	.00340	.02970	-.10890
.900	1.009	.99570	1.00960	1.00050	1.03030	.01390	.02980	-.10890
.899	2.017	2.02710	2.00370	1.99830	2.04000	-.02340	.04170	-.10890
.900	3.018	2.99500	3.02570	3.02310	3.03000	.03070	.00690	-.10890
.900	4.009	4.02300	4.00180	3.99130	4.01840	-.02120	.02710	-.10070
.899	6.014	6.00680	5.98840	6.03080	6.03060	-.01840	-.00020	-.10890
.899	8.013	8.01970	8.00530	8.00160	8.02380	-.01440	.02220	-.10890
.900	10.023	10.02300	9.99650	10.02000	10.05100	-.02660	.03160	-.10890
	GRADIENT	1.00178	.99925	.99796	1.00103	-.00253	.00307	.00208

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(DEF002) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
 AILRON = .000 BOFLAP = -11.700
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 794/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.598	-9.948	-9.96100	-9.92380	-9.95630	-9.95050	.03720	.00580	-1.3360
.598	-7.956	-7.96510	-7.94060	-7.96570	-7.95050	.02450	.01520	-1.3360
.598	-5.940	-5.93440	-5.94380	-5.93700	-5.94600	-.00940	-.00900	-1.3360
.598	-3.936	-3.94190	-3.93930	-3.93000	-3.93170	.00260	-.00170	-1.4180
.598	-2.910	-2.95200	-2.95000	-2.93840	-2.79780	.00200	.14060	-1.4180
.598	-1.942	-1.93560	-1.94070	-1.95300	-1.94080	-.00510	.01220	-1.4180
.598	-.936	-.94950	-.93370	-.93090	-.92930	.01580	.00160	-1.3360
.598	.018	.00850	.02040	.01150	.02970	.01190	.01820	-1.3360
.598	1.014	1.00490	1.03000	1.00050	1.02020	.02510	.01970	-1.5000
.599	2.015	1.99500	2.02510	2.00840	2.03000	.03010	.02160	-1.3360
.598	3.006	2.99500	3.01470	3.00370	3.01000	.01970	.00630	-1.3360
.598	4.011	4.02300	4.00180	4.00120	4.01840	-.02120	.01720	-1.5000
.598	6.011	5.99700	6.00720	6.00850	6.03060	.01020	.02210	-1.3360
.598	8.014	8.01160	7.98730	8.02120	8.03470	-.02430	.01350	-1.3360
.598	10.013	10.01000	9.97350	10.02800	10.04200	-.03630	.01360	-1.3360
.598	GRADIENT	1.00199	1.00261	1.00013	.99528	.00062	-.00484	-.00014

RUN NO. 810/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.902	-9.941	-9.95120	-9.93490	-9.94700	-9.93070	.01630	.01630	-.07610
.899	-7.952	-7.93920	-7.95080	-7.96570	-7.95050	-.01160	.01520	-.07610
.900	-5.932	-5.94370	-5.94380	-5.91440	-5.92440	-.00010	-.01000	-.09250
.900	-3.937	-3.96100	-3.92890	-3.94000	-3.92030	.03210	.01970	-.09250
.899	-2.945	-2.95200	-2.95000	-2.94860	-2.92970	.00200	.01890	-.07610
.900	-1.940	-1.92520	-1.93030	-1.95300	-1.95060	-.00510	.00240	-.05140
.900	-.939	-.93940	-.94500	-.94160	-.92930	-.00570	.01230	-.10070
.899	.012	.00850	.01020	.00000	.02970	.00170	.02970	-.10070
.900	1.007	.99570	1.00960	1.01200	1.01010	.01390	-.02190	-.10890
.900	2.015	2.00570	2.03580	1.98820	2.03000	.03010	.04180	-.11710
.899	3.016	3.00530	3.02570	3.00370	3.03000	.02040	.02630	-.10890
.900	4.006	4.00260	4.01170	3.99130	4.01840	.00910	.02710	-.12540
.898	6.012	6.00680	5.98840	6.02000	6.03060	-.01840	.01060	-.10890
.900	8.023	8.02780	8.00530	8.00160	8.05640	-.03250	.05480	-.10890
.898	10.014	10.02300	9.98880	10.01100	10.03300	-.03420	.02170	-.11710
.898	GRADIENT	1.00018	1.00106	.99840	1.00036	.00089	.00195	-.00620

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OAI45 TABULATED FORCE DATA
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(D2F003) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 10.000 BETA = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YO AILRON = .000 BDFLAP = 16.300
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPOBRK = 25.000 RUDDER = .000
SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 797/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.600	-9.951	-9.95120	-9.93490	-9.96560	-9.95050	.01530	.01510	-.12540
.600	-7.943	-7.95650	-7.94060	-7.91280	-7.96040	.01530	-.04760	-.13360
.599	-5.940	-5.94370	-5.94380	-5.93700	-5.93520	-.00010	.00180	-.13360
.599	-3.946	-3.95150	-3.93930	-3.96000	-3.93170	.01210	.02830	-.14180
.599	-2.943	-2.94240	-2.95000	-2.94860	-2.92970	-.00760	.01890	-.13360
.599	-1.940	-1.93560	-1.94070	-1.95300	-1.93100	-.00510	.02200	-.10890
.600	-.944	-.94950	-.94500	-.94160	-.93940	.00440	.00220	-.13360
.599	.026	.00000	.04080	.03450	.02970	.04080	-.00480	-.13360
.600	1.015	.98660	1.03000	1.03500	1.01010	.04340	-.02490	-.12540
.600	2.020	2.01540	2.01440	2.01950	2.03000	-.00200	.01150	-.13360
.599	3.016	3.01560	3.00370	3.01340	3.03000	-.01190	.01660	-.13360
.600	4.011	4.01280	4.00180	4.00120	4.02760	-.01100	.02640	-.10070
.600	6.014	6.00680	5.99780	6.02000	6.03050	-.00900	.01060	-.13360
.599	8.009	8.00350	7.99630	8.01140	8.02380	-.00720	.01240	-.12540
.599	10.012	10.01000	9.99650	10.01100	10.03300	-.01330	.02170	-.13360
GRADIENT		.99866	.99882	1.00117	1.00013	-.00103	-.00104	.00207

RUN NO. 813/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.899	-9.941	-9.95120	-9.92380	-9.94700	-9.94060	.02740	.00640	-.13360
.899	-7.953	-7.96510	-7.94060	-7.95510	-7.95050	.02450	.00470	-.15000
.900	-5.933	-5.93440	-5.92400	-5.93700	-5.93520	.01040	.00180	-.14180
.898	-3.943	-3.95150	-3.94970	-3.94000	-3.93170	.00180	.00830	-.15000
.898	-2.940	-2.94240	-2.94000	-2.93840	-2.94110	.00240	-.00270	-.15000
.900	-1.942	-1.94600	-1.91990	-1.97180	-1.93190	.02610	.04080	-.14180
.900	-.938	-.94950	-.92230	-.95230	-.92930	.02720	.02300	-.11710
.900	.019	.01700	.03060	.00000	.02970	.01350	.02970	-.10890
.901	1.014	1.00490	1.01980	1.01200	1.02020	.01490	.00820	-.11710
.899	2.017	2.00570	2.02510	1.99830	2.04000	.01940	.04170	-.12540
.900	3.013	3.00530	3.00370	3.00370	3.04000	-.00160	.03630	-.12540
.900	4.011	4.01280	4.00180	4.00120	4.02760	-.01100	.02640	-.11710
.899	6.012	6.00680	5.98840	6.03080	6.02380	-.01840	-.00720	-.15000
.900	8.020	8.01970	8.00530	8.03100	8.02380	-.01440	-.00720	-.14180
.899	10.020	10.02300	9.99650	10.01100	10.05100	-.02660	.04030	-.15000
GRADIENT		1.00015	.99866	.99910	1.00207	-.00149	.00297	.00400

AMES 118-1-11 0A145A 01

REFERENCE DATA

=	SREF	=	2690.0000	SQ.FT.	=	XMRP	=	1076.6800	IN.	XO
=	LREF	=	474.8100	INCHES	=	YMRP	=	.0000	IN.	YO
=	BREF	=	936.6800	INCHES	=	ZMRP	=	375.0000	IN.	ZO
=	SCALE	=	.0500							

78A/ 0	4.98	GRADIENT INTERVAL =	-5.00/	5.00
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MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.596	-5.027	5.01580	4.98150	4.99650	5.02630	-.03430	.02980	-.14180
.597	-	5.01580	4.98150	4.99650	5.02630	-.03430	.02980	-.15000
.596	2.482	5.01580	4.98150	4.99650	5.01560	-.03430	.01910	-.15000
.597	5.001	5.01580	4.98150	4.99650	5.01560	-.03430	.01910	-.15000
.597	6.048	5.00610	4.98150	4.99650	5.01560	-.02460	.01910	-.14180
.597	7.097	5.00610	4.98150	4.99650	5.01560	-.02460	.01910	-.15000
.597	8.151	5.00610	4.98150	4.99650	5.01560	-.02460	.01910	-.14180
.597	9.122	5.00610	4.99900	4.99650	5.01560	-.03620	.01910	-.14180
.597	10.125	5.00610	4.98150	4.99650	5.01560	-.02460	.01910	-.15000
.596	11.157	5.01580	4.98150	4.99650	5.01560	-.03430	.01910	-.14180
.597	12.149	5.00610	4.99900	4.99650	5.01560	-.03620	.01910	-.14180
.597	13.156	5.00610	4.98150	4.99650	5.01560	-.02460	.01910	-.14180
.597	15.186	5.00610	4.99900	4.99650	5.01560	-.03620	.01910	-.14180
.595	CRASH	0.0000	0.0000	0.0000	5.00421	-.00000	-.00421	-.00000

BIN NO	807/ 0	RN/L =	4.98	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

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OAI45 TABULATED FORCE DATA

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(D2F0D5) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = 5.000
ATLIRON = .000 BOFLAP = 16.300
SPOBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 798/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.600	-5.035	5.01580	4.99310	5.00800	5.03700	-.02270	.02900	-.12540
.600	-.041	5.00610	4.99310	5.00800	5.03700	-.01300	.02900	-.12540
.598	2.488	5.00610	4.98150	5.00800	5.03700	-.02460	.02900	-.12540
.597	4.997	5.00610	4.98150	5.00800	5.03700	-.02460	.02900	-.11710
.599	6.052	5.00610	4.99310	5.00800	5.03700	-.01300	.02900	-.12540
.598	7.084	5.00610	4.98150	5.00800	5.03700	-.02460	.02900	-.12540
.599	8.113	5.00610	4.99310	5.00800	5.03700	-.01300	.02900	-.12540
.598	9.124	5.00610	4.99310	4.98500	5.03700	-.01300	.05200	-.07610
.599	10.122	5.00610	4.99310	5.00800	5.03700	-.01300	.02900	-.12540
.599	11.157	5.00610	4.99310	5.00800	5.03700	-.01300	.02900	-.12540
.599	12.174	5.00610	4.99310	5.00800	5.03700	-.01300	.02900	-.12540
.599	13.177	5.00610	4.99310	5.00800	5.03700	-.01300	.02900	-.12540
.598	15.178	5.00610	4.99310	5.00800	5.03700	-.01300	.02900	-.12540
	GRADIENT	-.00000	-.00231	-.00000	-.00000	-.00231	-.00000	.00165

RUN NO. 816/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.899	-5.065	5.01580	4.98150	5.00800	5.04770	-.03430	.03970	-.16090
.899	-.034	5.00610	4.98150	5.00800	5.04770	-.02460	.03970	-.06790
.899	2.521	4.98670	4.98150	5.00800	5.04770	-.00520	.03970	-.05140
.900	5.065	4.97700	4.98150	5.00800	5.04770	.00450	.03970	-.13360
.898	6.084	4.97700	4.98150	5.01950	5.03700	.00450	.01750	-.06790
.903	7.108	4.97700	4.98150	5.00800	5.04770	.00450	.03970	-.01430
.898	8.141	4.97700	4.98150	5.00800	5.04770	.00450	.03970	-.07610
.901	9.165	4.98670	4.98150	5.00800	5.03700	-.00520	.02900	-.09250
.898	10.163	4.97700	4.98150	5.00800	5.03700	.00450	.02900	-.07610
.896	11.187	4.97700	4.98150	5.00800	5.03700	.00450	.02900	-.05140
.895	12.199	4.97700	4.96990	5.00800	5.04770	-.00710	.03970	-.06790
.900	13.208	4.97700	4.96990	5.00800	5.04770	-.00710	.03970	-.14180
.899	15.224	4.96730	4.96990	5.00800	5.04770	.00260	.03970	-.22650
	GRADIENT	-.00759	.00000	.00000	.00000	.00759	.00000	.00646

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(02F006) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

BETA = .000 ELEVON = -5.000
 AILRON = .000 BDFLAP = -11.700
 SPD BRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 787/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.597	-5.085	-4.96230	-4.91930	-4.93130	-4.94160	.04300	-.01030	-.15000
.599	-.094	-4.96230	-4.91930	-4.93130	-4.95240	.04300	-.02110	-.15000
.598	2.463	-4.96230	-4.91930	-4.93130	-4.95240	.04300	-.02110	-.15000
.597	4.975	-4.96230	-4.93040	-4.93130	-4.95240	.03190	-.02110	-.15000
.597	6.010	-4.96230	-4.93040	-4.92000	-4.94160	.03190	-.02160	-.17190
.597	7.040	-4.96230	-4.91930	-4.93130	-4.95240	.04300	-.02110	-.15000
.596	8.014	-4.96230	-4.93040	-4.93130	-4.95240	.05260	-.02110	-.15000
.596	9.038	-4.97190	-4.91930	-4.93130	-4.95240	.04150	-.02110	-.15000
.597	10.086	-4.97190	-4.93040	-4.93130	-4.95240	.05260	-.02110	-.15000
.598	11.092	-4.97190	-4.91930	-4.93130	-4.95240	.05110	-.00980	-.15000
.599	12.137	-4.98150	-4.93040	-4.94260	-4.95240	.06220	-.02110	-.15000
.598	13.130	-4.98150	-4.91930	-4.93130	-4.95240	.05260	-.02110	-.15000
.598	15.157	-4.97190	-4.91930	-4.93130	-4.95240	-.00218	.00000	.00000
.598	GRADIENT	.00000	-.00218	.00000	.00000	-.00218	.00000	.00000

RUN NO. 806/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.902	-5.081	-4.95270	-4.93040	-4.95390	-4.92000	.02230	.03390	-.15000
.900	-.087	-4.95270	-4.93040	-4.95390	-4.92000	.02230	.04520	-.15000
.904	2.432	-4.96230	-4.93040	-4.94260	-4.92000	.03190	.02260	-.14180
.900	4.985	-4.95270	-4.93040	-4.95390	-4.92000	.02230	.03390	-.13360
.901	6.021	-4.96230	-4.93040	-4.95390	-4.92000	.03190	.03390	-.10890
.901	7.042	-4.96230	-4.93040	-4.94260	-4.92000	.03190	.02260	-.10070
.899	8.089	-4.95270	-4.93040	-4.95390	-4.92000	.02230	.03390	-.09250
.900	9.108	-4.95270	-4.93040	-4.95390	-4.92000	.02230	.02260	-.10890
.900	10.131	-4.95270	-4.93040	-4.94260	-4.92000	.04150	.03390	-.10890
.901	11.149	-4.97190	-4.93040	-4.95390	-4.92000	.03190	.03390	-.10890
.899	12.185	-4.96230	-4.93040	-4.95390	-4.92000	.02080	.03440	-.14180
.900	13.178	-4.96230	-4.94150	-4.96520	-4.93080	.03190	.04520	-.13360
.903	15.213	-4.96230	-4.93040	-4.96520	-4.92000	-.00001	-.00221	.00323
.903	GRADIENT	.00001	.00000	.00221	.00000	-.00001	-.00221	.00323

(02F007) (08 JUL 77)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN.	XO	=	BETA	=	.000	ELEVON	=	-5.000
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN.	YO	=	AILRON	=	.000	BDFLAP	=	16.300
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN.	ZO	=	SPDBRK	=	25.000	RUDDER	=	.000
SCALE	=	.0500								RN/L	=	5.000			

PARAMETRIC DATA

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.600	-5.058	-4.94310	-4.91930	-4.91110	-4.93080	.02380	-.01970	-.07610
.602	-.056	-4.94310	-4.91930	-4.90220	-4.93080	.02380	-.02860	-.06430
.598	2.453	-4.94310	-4.91930	-4.92000	-4.93080	.03490	-.01080	-1.3360
.598	4.959	-4.94310	-4.91930	-4.92000	-4.93080	.02380	-.01080	-1.3360
.599	5.990	-4.94310	-4.91930	-4.93130	-4.93080	.02380	.00050	-1.3360
.599	7.032	-4.94310	-4.91930	-4.93130	-4.93080	.02380	.00050	-.12540
.600	8.032	-4.94310	-4.91930	-4.93130	-4.93080	.02380	.00050	-1.3360
.600	9.073	-4.94310	-4.91930	-4.94260	-4.93080	.02380	.01180	-.12540
.599	10.110	-4.94310	-4.91930	-4.94260	-4.93080	.02380	.01180	-.12540
.599	11.124	-4.95270	-4.91930	-4.91110	-4.93080	.03340	-.01970	-.07610
.599	12.139	-4.95270	-4.91930	-4.93130	-4.93080	.03340	.00050	-1.3360
.598	13.145	-4.95270	-4.91930	-4.93130	-4.93080	.03340	.00050	-1.3360
.598	14.159	-4.95270	-4.91930	-4.92000	-4.93080	.03340	-.01080	-1.3360
.598	15.159	.00000	.00000	-.00355	.00000	.00000	-.00355	-.00983
	GRADIENT							

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.899	-5.110	-4.96230	-4.91930	-4.94260	-4.92000	.04300	.02260	-.11710
.900	-.086	-4.96230	-4.91930	-4.94260	-5.08200	.04300	-.13940	-.07610
.899	2.453	-4.96230	-4.91930	-4.94260	-5.08200	.04300	-.12810	-.08430
.897	5.014	-4.97190	-4.91930	-4.94260	-5.08200	.05260	-.13940	.05960
.897	6.059	-4.97190	-4.91930	-4.93130	-5.08200	.05260	-.15070	-.03500
.898	7.086	-4.96230	-4.91930	-4.93130	-5.08200	.04300	-.15070	-.16090
.897	8.115	-4.97190	-4.91930	-4.94260	-5.08200	.05260	-.13940	-.19370
.898	9.134	-4.96230	-4.91930	-4.93130	-5.08200	.04300	-.15070	-.16090
.898	10.144	-4.96230	-4.91930	-4.93130	-5.08200	.04300	-.15070	-.14180
.901	11.178	-4.96230	-4.91930	-4.93130	-5.08200	.04300	-.15070	-.18280
.897	12.180	-4.96230	-4.91930	-4.93130	-5.08200	.04300	-.15070	-.12540
.896	13.188	-4.96230	-4.91930	-4.93130	-5.08200	.04300	-.15070	-.11710
.900	15.212	-4.97190	-4.91930	-4.94260	-5.08200	.05260	-.13940	-.02680
GRADIENT	.00000	.00000	.00000	-.00445	.00000	.00000	.00445	-.00323

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OAI45 TABULATED FORCE DATA
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(02F008) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = 5.000 AILRON = .000
SPOBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 790/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BOFLAP	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.597	-11.642	5.00610	4.96990	5.00800	5.02630	-.03620	.01830	-.11710
.598	-7.950	5.00610	4.96990	5.00800	5.02630	-.03620	.01830	-.11710
.597	-5.938	5.00610	4.96990	5.00800	5.02630	-.03620	.01830	-.12540
.598	-3.961	5.00610	4.96990	5.00800	5.02630	-.03620	.01830	-.13360
.597	-1.940	5.00610	4.96990	5.00800	5.02630	-.03620	.01830	-.12540
.597	.010	5.00610	4.96990	5.00800	5.02630	-.03620	.01830	-.12540
.597	2.008	5.00610	4.96990	5.00800	5.02630	-.03620	.01830	-.11710
.597	4.007	4.99640	4.96990	5.00800	5.02630	-.02650	.01830	-.11710
.597	6.010	4.99640	4.96990	5.00800	5.02630	-.03620	.01830	-.12540
.597	8.030	5.00610	4.96990	5.00800	5.02630	-.02650	.01830	-.12540
.597	12.020	4.99640	4.96990	5.00800	5.02630	-.02650	.01830	-.12540
.597	16.308	4.99640	4.96990	5.00800	5.02630	-.02650	.01830	-.13360
.597	22.528	4.99640	4.96990	5.00800	5.02630	-.02650	.01830	-.13360
	GRADIENT	-.00098	.00000	.00000	-.00000	.00098	-.00000	.00208

RUN NO. 804/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BOFLAP	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.903	-11.642	4.98670	4.98150	5.00800	5.01560	-.00520	.00760	-.11710
.902	-7.940	4.99640	4.98150	5.00800	5.01560	-.01490	.00760	-.11710
.901	-5.927	4.99640	4.98150	5.00800	5.01560	-.01490	.00760	-.12540
.902	-3.950	4.99640	4.98150	5.00800	5.01560	-.01490	.00760	-.13360
.902	-1.931	4.99640	4.99310	5.00800	5.01560	-.00330	.00760	-.13360
.902	.029	4.99640	4.98150	5.00800	5.01560	-.01490	.00760	-.14180
.901	2.017	4.99640	4.98150	5.00800	5.01560	-.01490	.00760	-.15000
.902	4.007	4.99640	4.98150	5.00800	5.01560	-.01490	.00760	-.15000
.902	6.000	4.99640	4.98150	5.00800	5.01560	-.01490	.00760	-.15000
.901	8.030	4.99640	4.98150	5.00800	5.01560	-.01490	.00760	-.15000
.901	12.009	4.98670	4.98150	5.00800	5.01560	-.00520	.00760	-.15000
.901	16.308	4.98670	4.98150	5.00800	5.01560	-.00520	.00760	-.15000
.901	22.537	4.99640	4.98150	5.00800	5.01560	-.01490	.00760	-.15000
.899	GRADIENT	.00000	-.00058	-.00000	-.00000	-.00058	.00000	-.00247

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 BETA = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELEVON = -5.000 AILRON = .000
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPDBRK = 25.000 RUDDER = .000
SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 791/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BOFLAP	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.599	-11.642	-4.96230	-4.93040	-4.93130	-4.93080	.03190	.00050	-.11710
.598	-7.940	-4.96230	-4.93040	-4.93130	-4.93080	.03190	.00050	-.12540
.598	-5.938	-4.96230	-4.93040	-4.94260	-4.93080	.03190	.01180	-.12540
.598	-3.903	-4.96230	-4.93040	-4.92000	-4.93080	.03190	-.01080	-.12540
.598	-1.871	-4.96230	-4.93040	-4.91110	-4.93080	.03190	-.01970	-.13360
.598	.029	-4.96230	-4.93040	-4.92000	-4.93080	.03190	-.01080	-.12540
.598	2.027	-4.96230	-4.93040	-4.92000	-4.93080	.03190	-.01080	-.13360
.598	3.996	-4.96230	-4.93040	-4.94260	-4.93080	.03190	.01180	-.13360
.598	6.000	-4.96230	-4.93040	-4.94260	-4.93080	.03190	.01180	-.13360
.598	8.020	-4.96230	-4.93040	-4.93130	-4.93080	.03190	.00050	-.14180
.598	11.999	-4.96230	-4.93040	-4.93130	-4.93080	.03190	.00050	-.13360
.598	16.328	-4.96230	-4.93040	-4.94260	-4.93080	.03190	.01180	-.13360
.598	22.547	-4.96230	-4.93040	-4.93130	-4.93080	.03190	.00050	-.13360
.598	GRADIENT	.00000	-.00000	-.00274	.00000	-.00000	.00274	-.00084

RUN NO. 805/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BOFLAP	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.902	-11.631	-4.94310	-4.93040	-4.95390	-4.93080	.01270	.02310	-.14180
.902	-7.940	-4.94310	-4.93040	-4.95390	-4.93080	.01270	.02310	-.14180
.902	-5.948	-4.94310	-4.93040	-4.95390	-4.93080	.01270	.02310	-.14180
.901	-3.940	-4.94310	-4.93040	-4.95390	-4.93080	.01270	.02310	-.14180
.902	-1.940	-4.94310	-4.93040	-4.94260	-4.93080	.01270	.01180	-.15000
.902	.010	-4.95270	-4.93040	-4.94260	-4.93080	.02230	.01180	-.15000
.901	1.998	-4.95270	-4.93040	-4.94260	-4.93080	.02230	.01180	-.14180
.902	3.996	-4.95270	-4.93040	-4.94260	-4.93080	.02230	.01180	-.15000
.901	6.010	-4.95270	-4.93040	-4.95390	-4.93080	.02230	.02310	-.15000
.901	8.000	-4.95270	-4.94150	-4.95390	-4.93080	.01120	.02310	-.15000
.901	12.009	-4.95270	-4.93040	-4.95390	-4.93080	.02230	.02310	-.15000
.900	16.308	-4.95270	-4.93040	-4.95390	-4.93080	.02230	.02310	-.14180
.899	22.528	-4.95270	-4.94150	-4.94260	-4.92000	.01120	.02260	-.15000
.899	GRADIENT	-.00145	-.00000	.00114	-.00000	.00145	-.00114	-.00042

0A145 TABULATED FORCE DATA

DATE 10 MAR 80

AMES 118-1-11 0A145A 01

(02F0E0) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = -11.700 SPOBRK = 25.000
RN/L = 5.000

GRADIENT INTERVAL = -5.00/ 5.00

RUN NO. 788/ 0 RN/L = 4.98

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.598	-14.976	.00850	.02040	.00000	.04950	.01190	.04950	-18.05000
.597	-10.736	.00850	.02040	.00000	.03960	.01190	.03960	-13.00600
.597	-4.939	.00850	.02040	.00000	.04950	.01190	.04950	-6.01000
.597	-2.442	.00850	.02040	.00000	.03960	.01190	.03960	-2.97460
.598	-.089	.00850	.02040	.00000	.03960	.01190	.03960	-1.0890
.598	2.522	.00850	.02040	.00000	.04950	.01190	.04950	3.07160
.598	5.005	.00850	.02040	.00000	.04950	.01190	.04950	6.09000
.597	10.011	.00850	.02040	.00000	.04950	.01190	.04950	12.13700
.598	15.031	.00850	.02040	.00000	.04950	.01190	.04950	18.11600
.597	18.134	.00850	.02040	.00000	.04950	.01190	.04950	21.75200
.597	22.649	.00850	.02040	.00000	.04950	.01190	.04950	26.94600
	GRADIENT	.00000	.00000	.00000	.00002	.00000	.00002	1.21726

GRADIENT INTERVAL = -5.00/ 5.00

RUN NO. 803/ 0 RN/L = 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.902	-14.976	.00850	.01020	.03450	.02970	.00170	.00480	-18.05000
.902	-10.745	.00850	.01020	.02300	.02970	.00170	.00670	-13.01700
.902	-4.939	.00850	.01020	.03450	.02970	.00170	.00480	-6.01000
.902	-2.442	.00850	.01020	.03450	.02970	.00170	.00480	-2.97460
.902	-.096	.00850	.01020	.03450	.02970	.00170	.00480	-1.1710
.902	2.505	.00850	.02040	.03450	.02970	.00170	.00480	3.05070
.902	5.014	.00850	.01020	.03450	.02970	.00170	.00480	6.10130
.902	10.003	.00850	.01020	.02300	.02970	.00170	.00670	12.12800
.902	15.005	.00850	.01020	.03450	.02970	.00170	.00480	18.08500
.902	18.125	.00850	.01020	.03450	.02970	.00170	.00480	21.74200
.901	22.602	.00850	.02040	.03450	.02970	.00170	.00480	26.89300
.902	GRADIENT	.00000	.00126	.00000	.00000	.00126	.00000	1.21728

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(02F0E1) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 SDFLAP = 16.300 SPDBRK = 25.000
 RN/L = 5.000

RUN NO. 800/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.600	-14.970	.02550	.02040	.02300	.02970	-.00510	.00670	-18.04400
.600	-10.754	.02550	.02040	.02300	.02970	-.00510	.00670	-13.02800
.600	-4.939	.02550	.02040	.02300	.02970	-.00510	.00670	-6.01000
.600	-2.442	.02550	.02040	.02300	.02970	-.00510	.00670	-2.97460
.600	-.110	.02550	.02040	.02300	.02970	-.00510	.00670	-.13360
.600	2.513	.02550	.02040	.02300	.02970	-.00510	.00670	3.06120
.600	5.014	.02550	.02040	.02300	.02970	-.00510	.00670	6.10130
.600	10.011	.02550	.02040	.02300	.02970	-.00510	.00670	12.13700
.600	15.022	.02550	.02040	.02300	.02970	-.00510	.00670	18.10500
.600	18.116	.02550	.02040	.02300	.02970	-.00510	.00670	21.73100
.600	22.639	.02550	.02040	.02300	.02970	-.00510	.00670	26.93500
.600	GRADIENT	.00000	-.00000	-.00000	.00000	.00000	-.00000	1.21728

RUN NO. 814/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.900	-14.960	.01700	.04080	.02300	.04950	.02380	.02650	-18.03200
.900	-10.727	.01700	.04080	.02300	.04950	.02380	.02650	-12.99500
.900	-4.961	.00850	.04080	.02300	.04950	.03230	.02650	-6.03730
.901	-2.434	.01700	.04080	.02300	.04950	.02380	.02650	-2.96470
.901	-.116	.01700	.04080	.02300	.04950	.02380	.02650	-.14180
.900	2.513	.01700	.04080	.02300	.04950	.02380	.02650	3.06120
.900	5.005	.00850	.04080	.02300	.04950	.03230	.02650	6.09000
.900	10.003	.00850	.04080	.02300	.04950	.03230	.02650	12.12800
.901	15.005	.01700	.04080	.02300	.04950	.02380	.02650	18.08500
.901	18.125	.01700	.04080	.02300	.04950	.02380	.02650	21.74200
.901	22.564	.01700	.04080	.02300	.04950	.02380	.02650	26.85000
.901	GRADIENT	.00103	-.00000	.00000	-.00000	-.00103	.00000	1.21727

0A145 TABULATED FORCE DATA

DATE 10 MAR 80

(02F0E2) (08 JUL 77)

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BOFLAP = -11.700
 SPDBRK = 25.000 RUDDER = -5.000
 RN/L = 5.000

RUN NO. 789/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.597	-6.052	.00350	.02040	.00000	.01980	.01190	.01980	-6.04640
.597	-1.918	.00850	.02040	.00000	.01980	.01190	.01980	-6.03730
.597	-.870	.00850	.02040	.00000	.01980	.01190	.01980	-6.03730
.597	.034	.00850	.02040	.00000	.01980	.01190	.01980	-6.03730
.597	.648	.00850	.02040	.00000	.01980	.01190	.01980	-6.03730
.597	1.155	.00850	.02040	.00000	.01980	.01190	.01980	-6.03730
.597	2.192	.00850	.02040	.00000	.01980	.01190	.01980	-6.03730
.597	3.223	.00850	.02040	.00000	.01980	.01190	.01980	-6.03730
.597	4.257	.00850	.02040	.00000	.01980	.01190	.01980	-6.04640
.596	6.318	.00850	.02040	.00000	.01980	.01190	.01980	-6.04640
.595	8.361	.00850	.02040	.00000	.01980	.01190	.01980	-6.04640
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00096

RUN NO. 802/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.901	-6.123	.00000	-.02280	.02300	.02970	-.02280	.00570	-6.00090
.902	-1.948	.00850	.01020	.03450	.02970	.00170	-.00480	-6.01910
.901	-.899	.00850	.01020	.03450	.02970	.00170	-.00480	-6.01910
.900	.160	.00850	.01020	.03450	.02970	.00170	-.00480	-6.01910
.901	.671	.00850	.01020	.03450	.02970	.00170	-.00480	-6.02820
.900	1.182	.00850	.01020	.03450	.02970	.00170	-.00480	-6.01910
.900	2.226	.00850	.01020	.03450	.02970	.00170	-.00480	-6.02820
.900	3.269	.00850	.01020	.03450	.02970	.00170	-.00480	-6.03730
.899	4.312	.00850	.01020	.03450	.02970	.00170	-.00480	-6.04640
.896	6.387	.00850	.01020	.03450	.02970	.00170	-.00480	-6.04640
.895	8.449	.00000	.01020	.03450	.02970	.01020	-.00480	-6.05550
	GRADIENT	.00000	.00000	.00000	.00000	.00000	-.00000	-.00240

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OAI45 TABULATED FORCE DATA

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(02F0E3) (08 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 ELEVON = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO AILRON = .000 BOFLAP = 16.300
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPDBRK = 25.000 RUDDER = -5.000
 SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 801/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.601	-6.038	.0250	.0204	.0230	.0297	-.0051	.0067	-6.0100
.601	-1.924	.0250	.0204	.0230	.0297	-.0051	.0067	-6.0100
.600	-.888	.0250	.0204	.0230	.0297	-.0051	.0067	-6.0100
.600	.033	.0250	.0204	.0230	.0297	-.0051	.0067	-6.0191
.600	.672	.0250	.0204	.0230	.0297	-.0051	.0067	-6.0191
.600	1.156	.0250	.0204	.0230	.0297	-.0051	.0067	-6.0191
.600	2.190	.0250	.0204	.0230	.0297	-.0051	.0067	-6.0191
.599	3.221	.0250	.0204	.0230	.0297	-.0051	.0067	-6.0282
.599	4.257	.0250	.0204	.0230	.0297	-.0051	.0067	-6.0282
.599	6.316	.0250	.0204	.0230	.0297	-.0051	.0067	-6.0282
.598	8.363	.0250	.0204	.0230	.0297	-.0051	.0067	-6.0282
.500	9.966	.0250	.0204	.0230	.0297	-.0051	.0067	-6.0282
	GRADIENT	.00000	.00000	-.00000	.00000	-.00000	.00000	-.00247

RUN NO. 815/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.899	-6.107	.0085	.0408	.0230	.0495	.0323	.0255	-6.0100
.900	-1.944	.0085	.0306	.0230	.0495	.0221	.0265	-6.0191
.899	-.901	.0085	.0306	.0230	.0495	.0221	.0265	-6.0191
.900	.122	.0170	.0306	.0230	.0495	.0136	.0265	-6.0282
.899	.699	.0085	.0306	.0230	.0495	.0221	.0265	-6.0282
.899	1.181	.0170	.0306	.0230	.0495	.0136	.0265	-6.0282
.899	2.217	.0170	.0306	.0230	.0495	.0136	.0265	-6.0282
.898	3.259	.0085	.0306	.0230	.0495	.0221	.0265	-6.0464
.898	4.299	.0085	.0306	.0230	.0495	.0221	.0265	-6.0555
.898	6.371	.0085	.0306	.0230	.0495	.0221	.0265	-6.0555
.898	8.429	.0085	.0306	.0230	.0495	.0221	.0265	-6.0282
.894	10.480	.0085	.0306	.0230	.0495	.0221	.0265	-6.0373
.895		.00064	.00000	.00000	.00000	-.00064	.00000	-.00341
	GRADIENT	.00064	.00000	.00000	.00000	-.00064	.00000	

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(02F0E4) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
SPDBRK = .000 RUDDER = .000
RN/L = 5.000

RUN NO. 656/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BOFLAP	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.598	-11.653	.00850	.01020	.00000	.03960	.00170	.03960	-.13360
.598	-7.940	.00850	.01020	.00000	.03960	.00170	.03960	-.13360
.598	-5.927	.00000	.01020	.00000	.03960	.01020	.03960	-.13360
.598	-3.950	.00850	.01020	.00000	.03960	.00170	.03960	-.13360
.599	-1.950	.00850	.01020	.00000	.03960	.00170	.03960	-.13360
.598	.010	.00850	.01020	.00000	.03960	.00170	.03960	-.13360
.598	1.998	.00850	.01020	.00000	.03960	.00170	.03960	-.13360
.598	3.996	.00850	.01020	.00000	.03960	.00170	.03960	-.13360
.598	6.020	.00850	.01020	.00000	.03960	.00170	.03960	-.13360
.598	8.010	.00850	.01020	.00000	.03960	.00170	.03960	-.13360
.598	11.999	.00850	.01020	.00000	.03960	.00170	.03960	-.13360
.598	16.308	.00000	.01020	.00000	.03960	.01020	.03960	-.13360
.598	22.547	.00000	.01020	.00000	.03960	.01020	.03960	-.13360
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00000

RUN NO. 643/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BOFLAP	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.900	-11.653	.00850	.01020	.00000	.00990	.00170	.00990	-.12540
.900	-7.960	.00850	.01020	.00000	.00990	.00170	.00990	-.11710
.900	-5.948	.00850	.01020	.00000	.00990	.00170	.00990	-.11710
.901	-3.950	.00850	.01020	.00000	.00990	.00170	.00990	-.11710
.901	-1.940	.00850	.01020	.00000	.00990	.00170	.00990	-.11710
.900	.019	.00000	.01020	.00000	.00990	.01020	.00990	-.11710
.901	1.998	.00000	.01020	.00000	.00990	.01020	.00990	-.11710
.900	3.996	.00000	.01020	.00000	.00990	.01020	.00990	-.11710
.901	6.000	.00000	.01020	.00000	.00990	.01020	.00990	-.10890
.900	8.020	.00000	.01020	.00000	.00990	.01020	.00990	-.11710
.900	12.009	.00000	.01020	.00000	.00990	.01020	.00990	-.11710
.899	16.308	.00000	.01020	.00000	.00990	.01020	.00990	-.10890
.900	22.528	-.01010	.01020	.00000	.00990	.02030	.00990	-.10890
	GRADIENT	-.00128	.00000	.00000	.00000	.00128	.00000	-.00000

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0A145 TABULATED FORCE DATA

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AMES 118-1-11 0A145A 01

(D2F0E5) (08 JUL 77)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN. XO	ALPHA	=	5.000	BETA	=	.000
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. YO	ELEVON	=	.300	AILRON	=	.000
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. ZO	SPDRBK	=	55.000	RUDDER	=	.000
SCALE	=	.0500						RN/L	=	5.000			

PARAMETRIC DATA

RUN NO.	597/ 0	RN/L =	5.05	GRADIENT INTERVAL =	-5.00/	5.00
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MACH	BDFLAP	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.395	-11.653	.01700	.01020	.01150	.04950	-.00580	.03800	-.17190
.396	-7.940	.01700	.01020	.01150	.04950	-.00580	.03800	-.16090
.396	-5.948	.01700	.01020	.01150	.04950	-.00580	.03800	-.16090
.395	-3.866	.01700	.01020	.01150	.04950	-.00580	.03800	-.17190
.395	-1.940	.01700	.01020	.01150	.04950	-.00580	.03800	-.17190
.394	.019	.01700	.01020	.01150	.04950	-.00580	.03800	-.17190
.396	2.009	.00850	.01020	.01150	.04950	-.00170	.03800	-.17190
.397	3.975	.01700	.01020	.01150	.04950	-.00580	.03800	-.18280
.397	6.010	.01700	.01020	.01150	.04950	-.00580	.03800	-.18280
.397	8.010	.01700	.01020	.01150	.04950	-.00580	.03800	-.19370
.397	11.999	.01700	.01020	.00000	.04950	-.00580	.04950	-.19370
.398	16.318	.01700	.01020	.01150	.04950	-.00580	.03800	-.18280
.397	22.547	.01700	.01020	.01150	.04950	-.00580	.03800	-.10890
CRADIANT	-.00043	-.00043	.00000	.00000	-.00000	-.00043	.00000	-.00111

RUN NO.	595/ 0	RN/L =	4.95	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(D2F0E5) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. X0
 YMRP = .0000 IN. Y0
 ZMRP = 375.0000 IN. Z0

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 SPOBRK = 55.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 569/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BOFLAP	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.899	-11.653	.01700	.01020	.01150	.02970	-.00680	.01820	-.15000
.899	-7.950	.01700	.01020	.01150	.02970	-.00680	.01820	-.15000
.899	-5.927	.01700	.01020	.01150	.02970	-.00680	.01820	-.15000
.900	-3.930	.01700	.01020	.01150	.02970	-.00680	.01820	-.16090
.901	-1.940	.01700	.01020	.01150	.02970	-.00680	.01820	-.19370
.899	.019	.01700	.01020	.01150	.02970	-.00680	.01820	-.18280
.900	2.008	.01700	.01020	.01150	.02970	-.00680	.01820	-.17190
.900	4.007	.01700	.01020	.01150	.02970	-.00680	.01820	-.16090
.900	6.000	.01700	.01020	.01150	.02970	-.00680	.01820	-.16090
.900	8.020	.01700	.01020	.01150	.02970	-.00680	.01820	-.15000
.899	12.009	.01700	.01020	.01150	.02970	-.00680	.01820	-.15000
.900	16.318	.01700	.01020	.01150	.02970	-.00680	.01820	-.15000
.899	22.585	.00850	.01020	.01150	.02970	.00170	.01820	-.14180
	GRADIENT	.00000	.00000	.00000	.00000	-.00000	-.00000	.00110

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. X0
 YMRP = .0000 IN. Y0
 ZMRP = 375.0000 IN. Z0

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 SPOBRK = 25.000
 RUDDER = .000 RN/L = 5.000

AMES 118-1-11 OAI45A 01

(D2F0E6) (08 JUL 77)

RUN NO. 844/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BOFLAP	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.596	-3.930	.01700	-3.93930	.03450	-3.92030	-3.95630	-3.95480	-.19370
.596	-1.941	.01700	-1.95110	.02300	-1.93100	-1.96810	-1.95400	-.15000
.597	.040	.01700	.03060	.03450	.04950	.01360	.01500	-.15000
.596	2.017	.01700	2.01440	.03450	2.02000	1.99740	1.98550	-.15000
.596	4.010	.01700	4.00180	.02300	4.01840	3.98480	3.99540	-.15000
	GRADIENT	-.00000	1.00048	-.00058	.99951	1.00048	1.00009	.00441

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OAI145 TABULATED FORCE DATA

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AMES 118-1-11 OAI145A 01

(02F0E6) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 BETA = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELV-08 = .000 AILRON = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO RUDDER = .000 SPOBRK = 25.000
 SCALE = .0500

PARAMETRIC DATA

RUN NO. 838/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-IB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.900	-3.925	.01700	-3.92890	.00000	-3.92030	-3.94590	-3.92030	-.15000
.900	-1.935	.02550	-1.93030	.00000	-1.94080	-1.95580	-1.94080	-.16090
.899	.030	.02550	.02040	.00000	.03960	-.00510	.03960	-.15000
.900	2.012	.02550	2.00370	.00000	2.02000	1.97820	2.02000	-.15000
.900	3.996	.02550	3.99190	.00000	4.00000	3.96640	4.00000	-.15000
	GRADIENT	.00086	.99936	.00000	1.00066	.99850	1.00066	.00055

RUN NO. 820/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-IB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.198	-3.936	.00850	-3.92890	.02300	-3.94310	-3.93740	-3.96610	-.10890
1.139	-1.941	.00850	-1.95110	.02300	-1.93100	-1.95960	-1.95400	-.10890
1.139	.010	.00850	.01020	.02300	.00990	.00170	-.01310	-.10890
1.139	2.022	.00850	2.01440	.02300	2.03000	2.00590	2.00700	-.10890
1.200	4.010	.00850	4.00180	.01150	4.01840	3.99330	4.00690	-.10890
	GRADIENT	-.00000	.99856	-.00116	1.00144	.99856	1.00260	-.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 BETA = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELV-08 = .000 AILRON = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO RUDDER = .000 SPOBRK = 25.000
 SCALE = .0500

PARAMETRIC DATA

RUN NO. 845/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-IB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.597	1.025	4.99640	1.03000	5.00800	1.02020	-3.96640	-3.98780	-.14180
.597	3.022	4.98670	3.01470	5.00800	3.03000	-1.97200	-1.97800	-.13360
.596	5.016	4.98670	5.00470	4.99650	5.02630	.01800	.02980	-.15000
.597	7.008	4.98670	6.98300	4.99650	7.03270	1.99630	2.03620	-.15000
.597	9.025	4.98670	8.99000	4.99650	9.05940	4.00330	4.06290	-.13360
	GRADIENT	-.00486	.99374	.00000	1.00631	.99860	1.00631	.00411

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(02F0E7) (08 JUL 77)

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OAI45 TABULATED FORCE DATA

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(D2F0E7) (08 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELV-OB = 5.000 AILRON = .000
 BOFLAP = .000 SPDBRK = 25.000
 RUDDER = .000 RN/L = 5.000

RUN NO. 839/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-IB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.901	1.010	5.01580	1.00960	5.00800	1.01010	-4.00620	-3.99790	-1.14180
.900	3.023	5.01580	3.02570	5.00800	3.02000	-1.99010	-1.99800	-1.14180
.900	4.998	5.01580	4.96990	4.99650	5.02630	-.04590	.02980	-1.14180
.900	7.002	5.01580	6.98300	4.99650	7.02180	1.96720	2.02530	-1.14180
.898	9.023	5.01580	8.99820	4.99650	9.04770	3.98240	4.05120	-1.50000
	GRADIENT	.00000	.99303	-.00287	1.00699	.99303	1.00987	-.00000

RUN NO. 821/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-IB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.200	1.005	4.98670	.99940	5.00800	1.01010	-3.98730	-3.99790	-1.1710
1.201	3.007	4.98670	3.00370	5.00800	3.01000	-1.98300	-1.99800	-1.1710
1.200	4.998	4.98670	4.96990	5.00800	5.02630	-.01680	.01830	-1.1710
1.199	6.999	4.98670	6.95490	5.00800	7.04360	1.96820	2.03560	-1.1710
1.200	9.025	4.98670	8.99000	5.00800	9.05940	4.00330	4.05140	-1.3360
	GRADIENT	.00000	.99430	.00000	1.00573	.99430	1.00573	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELV-OB = -5.000 AILRON = .000
 BOFLAP = .000 SPDBRK = 25.000
 RUDDER = .000 RN/L = 5.000

RUN NO. 846/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-IB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.600	-8.929	-4.96230	-8.93040	-4.93130	-8.92860	-3.96810	-3.99730	-1.14180
.598	-6.943	-4.96230	-6.94640	-4.94260	-6.93940	-1.98410	-1.99680	-1.3360
.598	-4.925	-4.96230	-4.93040	-4.93130	-4.92000	.03190	.01130	-1.14180
.597	-2.930	-4.96230	-2.93000	-4.94260	-2.92970	2.03230	2.01290	-1.14180
.598	-.942	-4.96230	-.93370	-4.94260	-.94950	4.02870	3.99310	-1.3360
	GRADIENT	.00000	1.00329	-.00284	.99671	1.00331	.99955	.00206

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(D2F0E8) (08 JUL 77)

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OAI145 TABULATED FORCE DATA

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(02F0E8) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 840/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-1B	ELV-L0	ELV-L1	ELV-R0	ELV-R1	DELL	DELR	DRHL
.900	-8.940	-4.93350	-8.94200	-4.94260	-8.93880	-4.00850	-3.99620	-1.5000
.900	-6.932	-4.94310	-6.92480	-4.94260	-6.93940	-1.98170	-1.99680	-1.5000
.900	-4.925	-4.94310	-4.91930	-4.95390	-4.93080	.02380	.02310	-1.5000
.900	-2.935	-4.95270	-2.94000	-4.94260	-2.92970	2.01270	2.01290	-1.5000
.899	.911	-4.95270	-.93370	-4.95390	-.88890	4.01910	4.06500	-1.5000
	GRADIENT	-.00239	.99299	-.00002	1.00703	.99540	1.00705	.00000

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELV-OB = -5.000 AILRON = .000
 BDFLAP = .000 SPOBRK = 25.000
 RUDDER = .000 RN/L = 5.000

RUN NO. 822/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-1B	ELV-L0	ELV-L1	ELV-R0	ELV-R1	DELL	DELR	DRHL
1.205	-8.940	-4.94310	-8.94200	-4.94260	-8.93880	-3.99890	-3.99620	-1.4180
1.201	-6.942	-4.93350	-6.93560	-4.94260	-6.94950	-2.00210	-2.00690	-1.5000
1.201	-4.936	-4.94310	-4.94150	-4.95390	-4.93080	.00160	.02310	-1.4180
1.200	-2.930	-4.94310	-2.93000	-4.95390	-2.92970	2.01310	2.02420	-1.5000
1.200	-.936	-4.94310	-.93370	-4.94260	-.93940	4.00950	4.00320	-1.5000
	GRADIENT	.00000	1.00205	.00282	.99795	1.00208	.99513	-.00205

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 847/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-1B	ELV-L0	ELV-L1	ELV-R0	ELV-R1	DELL	DELR	DRHL
.598	-3.951	-3.95150	.03060	-3.95000	.00990	3.98200	3.95990	-1.2540
.598	-1.980	-1.99800	.03060	-1.96240	.00990	2.02860	1.97230	-1.1710
.598	.016	.00850	.03060	.02300	.01980	.02210	-.00320	-1.1710
.598	1.996	1.98430	.03060	2.00840	.01980	-1.95370	-1.98860	-1.1710
.598	4.002	3.99240	.03060	4.01110	.00990	-3.96180	-4.00120	-1.1710
	GRADIENT	.99943	-.00000	1.00057	.00050	-.99942	-1.00008	.00083

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELV-1B = .000 AILRON = .000
 BDFLAP = .000 SPOBRK = 25.000
 RUDDER = .000 RN/L = 5.000

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(02F0E9) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELV-IB = .000 AILRON = .000
 BDFLAP = .000 SPOBRK = 25.000
 RUDDER = .000 RN/L = 5.000

RUN NO. 841/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.900	-3.951	-3.95150	.03060	-3.95000	.01980	3.98200	3.95980	-1.17190
.900	-1.954	-1.94600	.03060	-1.96240	.01980	1.97660	1.96220	-1.15000
.899	.024	.02550	.02040	.02300	.02970	-.00510	.00670	-1.60900
.900	2.007	2.00570	.03060	2.00840	.02970	-1.97510	-1.97870	-1.14180
.899	4.017	4.02300	.03060	4.01110	.02970	-3.99240	-3.98140	-1.13360
	GRADIENT	1.00019	.00000	.99980	.00149	-1.00018	-.99831	.00426

RUN NO. 823/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.201	-3.946	-3.94190	.02040	-3.95000	.02970	3.96230	3.97970	-1.15000
1.200	-1.954	-1.94600	.03060	-1.96240	.02970	1.97660	1.99210	-1.15000
1.201	.000	.00000	.02040	.00000	.02970	.02040	.02970	-1.15000
1.200	1.997	1.99500	.03060	1.99830	.02970	-1.96440	-1.96860	-1.15000
1.201	3.997	3.99220	.03060	4.01110	.02970	-3.95160	-3.98140	-1.15000
	GRADIENT	.99762	.00103	1.00235	-.00000	-.99659	-1.00235	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELV-IB = .000 AILRON = .000
 BDFLAP = .000 SPOBRK = 25.000
 RUDDER = .000 RN/L = 5.000

RUN NO. 848/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.597	1.019	1.01400	4.96990	1.02350	5.04770	3.95590	4.02420	-1.10070
.598	3.009	2.99500	4.96990	3.02310	5.04770	1.97490	2.02460	-1.10070
.598	5.008	4.99640	4.96990	5.01950	5.04770	-.02650	.02820	-.09250
.598	7.015	7.01690	4.96990	7.01360	5.04770	-2.04700	-1.96590	-1.10070
.598	9.015	9.01020	4.96990	9.02090	5.03700	-4.04030	-3.98390	-1.10070
	GRADIENT	.99533	.00000	1.00467	.00000	-.99533	-1.00467	.00000

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REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELV-18 = 5.000 AILRON = .000
 BDFLAP = .000 SPDBRK = 25.000
 RUDDER = .000 RN/L = 5.000

RUN NO. 842/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.900	1.014	1.00490	4.99310	1.02350	5.03700	3.98830	4.01350	-1.5000
.899	3.014	3.01560	4.99310	3.01340	5.03700	1.97760	2.02360	-1.4180
.901	5.002	4.99640	4.99310	5.00800	5.02630	-0.0330	0.1830	-1.4180
.899	7.002	6.99020	4.99310	7.01360	5.02630	-1.99710	-1.98730	-1.2540
.900	9.015	9.01020	4.99310	9.02090	5.02630	-4.01710	-3.99460	-1.1360
	GRADIENT	1.00520	.00000	.99480	.00000	-1.00525	-99480	.00410

RUN NO. 824/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.200	1.005	.98660	4.98150	1.02350	5.03700	3.99490	4.01350	-1.5000
1.200	3.014	3.01560	4.98150	3.01340	5.03700	1.96590	2.02360	-1.5000
1.201	4.998	4.97700	4.98150	5.01950	5.03700	.00450	0.1750	-1.6090
1.200	7.006	6.99910	4.96990	7.01360	5.03700	-2.02920	-1.97660	-1.7190
1.200	9.007	9.00240	4.98150	9.01120	5.03700	-4.02090	-3.97420	-1.7190
	GRADIENT	.99935	.00000	1.00070	.00000	-99935	-1.00070	.00272

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELV-18 = -5.000 AILRON = .000
 BDFLAP = .000 SPDBRK = 25.000
 RUDDER = .000 RN/L = 5.000

RUN NO. 849/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.598	-8.945	-8.93860	-4.91930	-8.95130	-4.92000	4.01930	4.03130	-1.0070
.598	-6.944	-6.95730	-4.91930	-6.93000	-4.92000	2.03800	2.01000	-.09250
.598	-4.937	-4.94310	-4.91930	-4.93130	-4.92000	.02380	.01130	-1.0070
.598	-2.940	-2.94240	-4.91930	-2.93840	-4.92000	-1.97690	-1.98160	-.08430
.598	-.940	-.94950	-4.91930	-.93090	-4.92000	-3.96980	-3.98910	-.08430
	GRADIENT	.99915	.00000	1.00085	.00000	-.99915	-1.00085	.00410

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REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELV-IB = -5.000 AILRON = .000
 BDFLAP = .000 SPDBRK = 25.000
 RUDDER = .000 RN/L = 5.000

RUN NO. 843/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.901	-8.960	-8.94880	-4.93040	-8.97190	-4.93080	4.01840	4.04110	-15000
.901	-6.948	-6.96690	-4.93040	-6.93000	-4.92000	2.03650	2.01000	-14180
.900	-4.952	-4.97190	-4.93040	-4.93130	-4.92000	.04150	.01130	-14180
.901	-2.951	-2.94240	-4.93040	-2.95880	-4.92000	-1.98800	-1.96120	-14180
.899	-930	-92930	-4.93040	-93090	-4.92000	-4.00110	-3.98910	-14180
GRADIENT		1.00523	.00000	.99477	.00000	-1.00523	-.99477	-100000

RUN NO. 825/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.203	-8.960	-8.94880	-4.94150	-8.97190	-4.94160	4.00730	4.03030	-16090
1.201	-6.951	-6.93810	-4.94150	-6.96300	-4.94160	1.99660	2.02140	-18280
1.200	-4.953	-4.95270	-4.94150	-4.95390	-4.94160	.01120	.01230	-18280
1.201	-2.956	-2.94240	-4.95260	-2.96900	-4.94160	-2.01020	-1.97260	-18280
1.200	.946	.94950	-4.94150	-.94160	-4.94160	-3.99200	-4.00000	-18280
GRADIENT		.99884	.00001	1.00113	.00000	-.99884	-1.00113	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELVON = .000 BDFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

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RUN NO. 850/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-IB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.597	-3.984	.02550	-3.93930	.00000	4.02760	-3.96480	4.02760	-.08430
.598	-1.980	.02550	-1.94070	.00000	2.02000	-1.96620	2.02000	-.09250
.598	-.004	.00850	.03060	.00000	.03960	.02210	.03960	-.09250
.598	1.977	.00850	2.00370	.00000	-1.95060	1.99520	-1.95060	-1.0070
.598	3.967	.00850	4.00180	.00000	-3.93170	3.99330	-3.93170	-.08430
GRADIENT		-.00257	.99842	.00000	-1.00158	1.00099	-1.00158	-.00041

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(DEF0F2) (08 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

MACH
 .900
 .899
 .900
 .899
 .901

ALPHA = 5.000
 ELEVON = .000
 SPDBRK = 25.000
 RN/L = 5.000

BETA = .000
 BOFLAP = .000
 RUDDER = .000

PARAMETRIC DATA

RUN NO. 832/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-1B	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.900	-3.978	.00850	-3.92890	.00000	4.02760	-3.93740	4.02760	-0.0430
.899	-1.986	.00850	-1.95110	.00000	2.02000	-1.95960	2.02000	-0.07610
.900	.015	.02550	.04080	.00000	.00990	.01530	.00990	-0.07610
.899	1.978	.00000	2.01440	.00000	-1.94080	2.01440	-1.94080	-0.09250
.901	3.956	.02550	3.99190	.00000	-3.92030	3.96640	-3.92030	-0.09250
GRADIENT		.00129	.99874	.00000	-1.00125	.99745	-1.00125	-0.00165

RUN NO. 826/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-1B	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.200	-3.974	.00000	-3.93930	.02300	4.00920	-3.93930	3.98620	-0.05960
1.200	-1.975	.00000	-1.93030	.02300	2.02000	-1.93030	1.99700	-0.14180
1.199	-.020	.00000	.00000	.02300	.03960	.00000	.01660	-0.14180
1.201	1.978	.00000	2.01440	.02300	-1.94080	2.01440	-1.96380	-0.14180
1.200	3.967	.00000	4.00180	.02300	-3.93170	4.00180	-3.95470	-0.14180
GRADIENT		.00000	.99961	-.00000	-1.00038	.99961	-1.00038	-0.00829

AMES 118-1-11 OAI45A 01

(DEF0F3) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

MACH
 .598
 .598
 .598
 .598
 .598

ALPHA = 5.000
 ELEVON = .000
 SPDBRK = 25.000
 RN/L = 5.000

BETA = .000
 BOFLAP = .000
 RUDDER = .000

PARAMETRIC DATA

RUN NO. 851/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-1B	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.598	-4.008	5.01580	1.01980	5.00800	9.03600	-3.99600	4.02800	-0.07610
.598	-2.014	5.00610	3.02570	5.00800	7.05450	-1.98040	2.04650	-0.06790
.598	-.022	5.00610	4.98150	5.00800	5.02630	-.02460	.01830	-0.08430
.598	1.993	5.00610	6.99700	5.01950	3.01000	1.99090	-2.00950	-0.07610
.598	4.420	5.00610	9.85120	5.00800	1.01010	4.84510	-3.99790	-0.08430
GRADIENT		-.00091	1.03654	.00051	-.96147	1.03945	-.96197	-0.00119

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(02F0F3) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = 5.000 BOFLAP = .000
 SPDRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 833/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH
 .901
 .899
 .899
 .899
 .899

AIL-18 ELV-LO ELV-LI ELV-RO ELV-RI DELL DELR DRHL
 -4.008 5.00610 1.01980 5.00800 9.03600 -3.98630 4.02800 -23740
 -2.014 5.00610 3.00370 4.99650 7.03270 -2.00240 2.03620 -15000
 -.034 5.00610 4.96990 5.00800 5.03700 -.03620 .02900 -.16090
 1.981 5.00610 6.98300 5.00800 3.02000 1.97690 -1.98800 -15000
 4.424 5.01580 9.85830 4.99650 1.01010 4.84300 -3.98640 -17190
 GRADIENT .00097 1.03996 -.00060 -.96003 1.03899 -.95943 .00601

MACH
 1.200
 1.200
 1.199
 1.200
 1.200

AIL-18 ELV-LO ELV-LI ELV-RO ELV-RI DELL DELR DRHL
 -4.013 4.98670 1.00960 5.00800 9.03600 -3.97710 4.02800 -14180
 -2.009 4.98670 3.00370 5.00800 7.02180 -1.98300 2.01380 -14180
 -.034 4.98670 4.96990 5.00800 5.03700 -.01680 .02900 -14180
 1.981 4.98670 6.98300 5.00800 3.02000 1.99630 -1.98800 -13360
 4.424 4.97700 9.85880 5.00800 1.01010 4.88180 -3.99790 .00118
 GRADIENT -.00097 1.04068 .00000 -.95931 1.04165 -.95931

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(02F0F4) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = -5.000 BOFLAP = .000
 SPDRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 852/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH
 .600
 .598
 .598
 .598
 .598

AIL-18 ELV-LO ELV-LI ELV-RO ELV-RI DELL DELR DRHL
 -4.564 -4.93350 -10.05700 -4.93130 -9.92930 -5.12330 4.00200 -57610
 -2.377 -4.93350 -7.69580 -4.93130 -2.94110 -2.76230 1.99020 -58430
 -.284 -4.93350 -5.49830 -4.93130 -4.93080 -.56480 .00050 -.08430
 1.925 -4.94310 -3.09000 -4.93130 -6.93940 -1.85310 -2.00810 -.07610
 3.940 -4.94310 -1.05890 -4.92000 -8.93880 3.88420 -4.01880 -.08430
 GRADIENT -.00135 1.06082 .00105 -.93919 1.06215 -.94024 .00038

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(02F0F4) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 BETA = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELEVON = -5.000 BDFLAP = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPOBRK = 25.000 RUDDER = .000
 SCALE = .0500

PARAMETRIC DATA

RUN NO. 834/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-IB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.902	-4.564	-4.96230	-10.06800	-4.93130	-9.3940	-5.10560	3.99190	-1.16090
.900	-2.383	-4.95270	-7.69580	-4.92000	-2.92970	-2.74310	1.99030	-1.16090
.900	-.289	-4.96230	-5.50820	-4.92000	-4.93080	-5.4590	-0.1080	-1.16090
.899	1.915	-4.96230	-3.11000	-4.94260	-6.93940	1.85230	-1.99680	-1.16090
.899	3.945	-4.96230	-1.05890	-4.93130	-8.94900	3.90340	-4.01770	-1.17190
	GRADIENT	-.00045	1.06056	-.00107	-.93945	1.06099	-.93838	-.00153

RUN NO. 828/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-IB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.201	-4.575	-4.96230	-10.09000	-4.94260	-9.3940	-5.12780	4.00320	-1.14180
1.200	-2.389	-4.96230	-7.69580	-4.94260	-2.91830	-2.73350	2.02430	-1.14180
1.201	-.294	-4.96230	-5.50820	-4.94260	-4.92000	-5.4590	.02260	-1.14180
1.200	1.910	-4.97190	-3.11000	-4.95390	-6.92930	1.86190	-1.97540	-1.14180
1.201	3.934	-4.97190	-1.07030	-4.94260	-8.93880	3.90160	-3.99620	-1.15000
	GRADIENT	-.00135	1.06152	-.00055	-.93848	1.06288	-.93794	-.00076

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 BETA = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELEVON = .000 BDFLAP = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPOBRK = 25.000 RUDDER = .000
 SCALE = .0500

PARAMETRIC DATA

RUN NO. 853/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-OB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.597	-3.991	-3.96100	.02040	4.02100	.01980	3.98140	-4.00120	-1.06790
.598	-1.982	-1.94600	.02040	2.01850	.02970	1.96640	-1.98880	-1.16090
.598	-.007	.00850	.02040	.02300	.02970	.01190	.00670	-1.15000
.598	1.984	2.00570	.02040	-1.96240	.02970	-1.98530	1.99210	-1.15000
.598	3.976	4.00260	.02040	-3.95000	.02970	-3.98220	3.97970	-1.17190
	GRADIENT	.99889	.00000	-1.00110	.00100	-.99889	1.00209	-.00992

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REFERENCE DATA

SREF = 2690.0000 SQ.FT.

LREF = 474.8100 INCHES

BREF = 936.6800 INCHES

SCALE = .0500

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1076.6800 IN. XO

.0000 IN. YO

375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 5.000

BETA = .000

BOFLAP = .000

SPDBRK = 25.000

RN/L = 5.000

RUN NO. 835/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00									
MACH	AIR-OB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL	
.899	-3.977	-3.94180	.04080	4.01110	.00990	3.98270	-4.00120	-1.5000	
.899	-1.962	-1.92520	.04080	1.99830	.01980	1.96600	-1.97850	-1.5000	
.900	.001	.00850	.04080	.01150	.01980	.03230	.00830	-1.5000	
.900	1.979	1.99500	.04080	-1.96240	.01980	-1.95420	1.98220	-1.5000	
.899	3.971	3.99240	.04080	-3.95000	.01980	-3.95160	3.96980	-1.4180	
GRADIENT		.99763	-.00000	-1.00236	.00100	-.99763	1.00336	.00083	

RUN NO. 829/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00									
MACH	AIR-OB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL	
1.200	-3.986	-3.95150	.01020	4.02100	.00990	3.96170	-4.01110	-1.5000	
1.200	-1.987	-1.95640	.01020	2.01850	.01980	1.96660	-1.99870	-1.4180	
1.201	-.012	.00000	.01020	.02300	.01980	.01020	-.00320	-1.4180	
1.199	1.979	2.00570	.01020	-1.99530	.01980	-1.99550	1.97280	-1.4180	
1.201	3.971	3.99240	.01020	-3.95000	.01980	-3.98220	3.96980	-1.5000	
GRADIENT		.99840	-.00000	-1.00160	.00100	-.99840	1.00259	.00000	

REFERENCE DATA

SREF = 2690.0000 SQ.FT.

LREF = 474.8100 INCHES

BREF = 936.6800 INCHES

SCALE = .0500

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1076.6800 IN. XO

.0000 IN. YO

375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 5.000

BETA = .000

BOFLAP = .000

SPDBRK = 25.000

RN/L = 5.000

RUN NO. 854/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00									
MACH	AIR-OB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL	
.597	-4.008	1.00490	4.98150	9.02090	5.04770	3.97670	-3.97320	-1.5000	
.598	-2.004	3.01560	4.98150	7.02440	5.04770	1.96590	-1.97670	-1.5000	
.598	-.006	4.99640	4.98150	5.00800	5.04770	-.01490	.03970	-1.5000	
.597	1.998	6.99910	4.98150	3.00370	5.03700	-2.01760	2.03330	-1.5000	
.598	3.993	9.01020	4.98150	1.02350	5.04770	-4.02870	4.02420	-1.5000	
GRADIENT		.99947	.00000	-1.00054	-.00054	-.99948	1.00000	-.00000	

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(02F0F6) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = 5.000 BOFLAP = .000
SPOBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 836/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-OB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.900	-4.003	1.00490	4.98150	9.01120	5.02630	3.97670	-3.98490	-1.14180
.900	-1.999	3.01560	4.98150	7.01360	5.02630	1.96590	-1.98730	-1.15000
.899	-.001	5.00610	4.98150	5.00800	5.02630	-.02460	.01830	-1.15000
.899	1.988	6.99910	4.98150	3.02310	5.03700	-2.01760	2.01390	-1.15000
.900	4.005	9.01020	4.98150	1.00050	5.02630	-4.02870	4.02580	-1.15000
GRADIENT		.99955	.00000	-1.00045	.00053	-.99956	1.00098	-.00082

RUN NO. 830/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-OB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.200	-4.017	.98660	4.95830	9.02090	5.02630	3.97160	-3.99460	-1.14180
1.201	-2.004	3.00530	4.95830	7.01360	5.02630	1.95300	-1.98730	-1.14180
1.201	-.015	4.97700	4.95830	5.00800	5.01560	-.01870	.00760	-1.14180
1.201	1.993	7.00800	4.95830	3.02310	5.02630	-2.04970	2.00320	-1.15000
1.200	3.999	9.01020	4.95830	1.01200	5.02630	-4.05190	4.01430	-1.14180
GRADIENT		1.00104	-.00000	-.99896	.00000	-1.00103	.99896	-.00041

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = -5.000 BOFLAP = .000
SPOBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 855/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-OB	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.599	-3.998	-8.94880	-4.93040	-.95230	-4.92000	4.01840	-3.96770	-1.13360
.598	-2.024	-6.99570	-4.91930	-2.94860	-4.92000	2.07640	-1.97140	-1.15000
.598	-.005	-4.95270	-4.91930	-4.94260	-4.92000	.03340	.02260	-1.15000
.598	2.010	-2.93280	-4.91930	-6.95200	-4.92000	-1.98650	2.03200	-1.15000
.598	4.006	-.94950	-4.91930	-8.96160	-4.92000	-3.96980	4.04160	-1.16090
GRADIENT		1.00099	.00110	-.99900	.00000	-.99989	.99900	-.00272

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OAI45 TABULATED FORCE DATA

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(DEF07) (08 JUL 77)

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REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 BETA = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELEVON = -5.000 BDFLAP = .000
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPOBRK = 25.000 RUDDER = .000
SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 837/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH .899
.900
.901
.901
.900
GRADIENT
AIL-OB
-4.009
-1.990
.005
2.001
4.001
ELV-LO
-8.95900
-6.93810
-4.94310
-2.96160
-.95960
-.99828
ELV-LI
-4.91930
-4.91930
-4.93040
-4.93040
-4.93040
-4.93040
ELV-RO
-7.94160
-2.95880
-4.95390
-6.96300
-8.96160
-1.00172
ELV-RI
-4.93080
-4.93080
-4.92000
-4.92000
-4.92000
-.00162
DELL
4.03970
2.01880
.01270
-1.96880
-3.97080
-.99994
DEL R
-3.98920
-1.97200
.03390
2.04300
4.04160
1.00334
DRHL
-1.5000
-1.5000
-1.5000
-1.5000
-1.5000
-.00000

RUN NO. 831/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH 1.201
1.200
1.200
1.201
1.200
GRADIENT
AIL-OB
-3.998
-1.999
-.005
1.984
4.011
ELV-LO
-8.93860
-6.95730
-4.95270
-2.96160
-.93940
-.99957
ELV-LI
-4.93040
-4.93040
-4.93040
-4.94150
-4.94150
-.00166
ELV-RO
-7.94160
-2.95880
-4.94260
-6.93000
-8.96160
-1.00043
ELV-RI
-4.94160
-4.94160
-4.94160
-4.94160
-4.93080
-.00108
DELL
4.00820
2.02690
.02230
-1.97990
-4.00210
-1.00123
DEL R
-4.00000
-1.98280
.00100
1.98840
4.03080
1.00151
DRHL
-1.14180
-1.15000
-1.14180
-1.15000
-1.14180
-.00000

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OA145 TABULATED FORCE DATA

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AMES 118-1-11 OA145A 01

(02F0F8) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ. FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 18.700
AILRON = .000
SPDBRK = 25.000
RUDDER = 3.000
ELEVON = .000
BOFLAP = .000

RUN NO. 320/ 0 RN/L = 2.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.399	-3.984	.01700	.02040	.00000	.02970	.00340	.02970	.00000
.399	-2.924	.01700	.02040	.00000	.01980	.00340	.01980	.00000
.400	-1.851	.01700	.02040	.00000	.01980	.00340	.01980	.00000
.401	-1.328	.01700	.02040	.00000	.01980	.00340	.01980	.00000
.400	-.807	.01700	.02040	.01150	.01980	.00340	.00830	.00000
.400	-.284	.02550	.02040	.01150	.01980	.00510	.00830	.00000
.400	.238	.01700	.02040	.01150	.00990	.00340	-.00160	.00000
.400	.743	.01700	.02040	.01150	.00990	.00340	-.00160	.00000
.400	1.248	.02550	.02040	.01150	.01980	.00510	.00830	.00000
.400	1.746	.01700	.02040	.01150	.02970	.00340	.01820	.00000
.400	2.262	.01700	.02040	.01150	.03960	.00340	.02810	.00000
.401	3.289	.01700	.02040	.01150	.02970	.00340	.01820	.00000
.400	4.329	.02550	.02040	.01150	.02970	.00510	.01820	.00000
.400	GRADIENT	.00057	.00000	.00180	.00115	-.00057	-.00065	.00000

RUN NO. 321/ 0 RN/L = 2.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.594	-3.991	.02550	.01020	.00000	.01980	-.01530	.01980	.00000
.594	-2.909	.02550	.01020	.01150	.01980	-.01530	.00830	.00000
.595	-1.859	.02550	.01020	.01150	.01980	-.01530	.00830	.00000
.599	-1.336	.02550	.01020	.01150	.01980	-.01530	.00830	.00000
.601	-.813	.02550	.01020	.01150	.01980	-.01530	.00830	.00000
.598	-.290	.02550	.01020	.01150	.01980	-.01530	.00830	.00000
.600	.234	.02550	.01020	.01150	.01980	-.01530	.00830	.00000
.558	.741	.02550	.01020	.01150	.01980	-.01530	.00830	.00000
.599	1.247	.02550	.01020	.01150	.01980	-.01530	.00830	.00000
.600	1.747	.02550	.01020	.01150	.02970	-.01530	.01820	.00000
.594	2.263	.02550	.01020	.01150	.02970	-.01530	.01820	.00000
.600	3.294	.02550	.01020	.01150	.02970	-.01530	.01820	.00000
.600	4.337	.02550	.01020	.01150	.02970	-.01530	.01820	.00000
.600	GRADIENT	-.00000	.00000	.00069	.00153	-.00000	.00064	.00000

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(02F0F8) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

ALPHA = 18.700 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPOBRK = 25.000 RUDDER = .000
RN/L = 3.000

PARAMETRIC DATA

RUN NO. 319/ 0 RN/L = 3.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.799	-4.008	.01700	.01020	.01150	.02970	-.00680	.01820	.05190
.797	-2.926	.01700	.01020	.01150	.02970	-.00680	.01820	.03110
.797	-1.876	.01700	.01020	.01150	.01980	-.00680	.00830	.02080
.798	-1.351	.01700	.01020	.01150	.01980	-.00680	.00830	.03110
.800	-.827	.01700	.01020	.01150	.01980	-.00680	.00030	.01040
.799	-.301	.01700	.01020	.01150	.01980	-.00680	.00830	.00900
.778	.178	.01700	.01020	.01150	.01980	-.00680	.00830	-.03060
.799	.734	.01700	.01020	.01150	.01980	-.00680	.00830	.00000
.799	1.248	.01700	.01020	.01150	.02970	-.00680	.01820	-.01020
.799	1.748	.01700	.02040	.01150	.02970	-.00340	.01820	-.02040
.799	2.266	.01700	.01020	.01150	.02970	-.00680	.01820	-.02040
.797	3.306	.01700	.01020	.01150	.02970	-.00680	.01820	-.02040
.799	4.350	.01700	.01020	.01150	.02970	-.00680	.01820	-.04080
GRADIENT		.00000	.00022	.00000	.00065	.00022	.00065	-.01042

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(02F0F9) (16 JUL 77)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN.	XO	=	18.7000	ELEVON	=	.0000
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN.	YO	=	.0000	BDFLAP	=	.0000
BREF	=	936.6800	IN.	ZMRP	=	375.0000	IN.	ZO	=	25.0000	RUDDER	=	.0000
SCALE	=	.0500								5.0000	RN/L		

PARAMETRIC DATA

MACH	BETA	ELV-L0	ELV-L1	ELV-R0	ELV-R1	DELL	DELR	DRHL
397	-3.976	.02550	.02040	.02300	.01980	-.00510	-.00320	.05190
397	-2.900	.02550	.02040	.02300	.01980	-.00510	-.00320	.05190
397	-1.854	.02550	.02040	.02300	.01980	-.00510	-.00320	.04150
397	-1.330	.02550	.02040	.02300	.01980	-.00510	-.00320	.05190
397	-.810	.02550	.02040	.03450	.01980	-.00510	-.01470	.04150
397	-.286	.02550	.02040	.02300	.01980	-.00510	-.00320	.04150
397	.225	.02550	.02040	.02300	.01980	-.00510	-.00320	.04150
398	.743	.02550	.02040	.03450	.01980	-.00510	-.01470	.04150
397	1.254	.02550	.02040	.03450	.01980	-.00510	-.01470	.05190
398	1.753	.02550	.02040	.03450	.01980	-.00510	-.01470	.04150
398	2.270	.02550	.02040	.03450	.01980	-.00510	-.01470	.04150
398	3.301	.02550	.02040	.03450	.01980	-.00510	-.00320	.03110
398	4.340	.02550	.02040	.02300	.01980	-.00510	-.00320	.00170
GRADIENT		.00000	.00000	.00120	-.00000	-.00000	-.00120	

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.599	-4.020	.01700	.01020	.03450	.00000	-.00680	-.03450	-.10070
.600	-2.972	.00850	.02040	.03450	.00000	.01190	-.03450	-.10070
.600	-1.942	.01700	.01020	.03450	.00000	-.00680	-.03450	-.10890
.602	-1.423	.01700	.01020	.03450	.00000	-.00680	-.03450	-.10890
.601	-.908	.01700	.01020	.03450	.00000	-.00680	-.03450	-.10890
.601	-.387	.02550	.01020	.03450	.00000	-.01530	-.03450	-.10070
.600	.118	.01700	.01020	.03450	.00000	-.00680	-.03450	-.11710
.600	.646	.01700	.01020	.03450	.00990	-.00680	-.02460	-.08430
.601	1.166	.02550	.01020	.03450	.00000	-.01530	-.03450	-.10070
.601	1.672	.01700	.01020	.03450	.00000	-.00680	-.03450	-.09250
.601	2.193	.01700	.00000	.03450	.00000	-.01700	-.03450	-.09250
.601	3.232	.01700	.00000	.03450	.00990	-.00680	-.02460	-.09250
.601	4.269	.01700	.01020	.03450	.00990	-.00680	-.02460	-.09250
GRADIENT	.00044		-.00121	.00000	.00110	-.00165	.00110	.00193

OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(02F0F9) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 18.700 ELEVON = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO AILRON = .000 BOFLAP = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPDBRK = 25.000 RUDDER = .000
 SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 407/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.800	-4.067	.00000	.00000	.04590	.01980	.00000	-.02610	-.05960
.798	-3.011	.00000	.00000	.04590	.01980	.00000	-.02610	-.07610
.800	-1.972	.00000	.00000	.04590	.01980	.00000	-.02610	-.08430
.800	-1.450	.00000	.00000	.04590	.01980	.00000	-.02610	-.09250
.799	-.929	.00000	.00000	.04590	.01980	.00000	-.02610	-.09250
.800	-.400	.00000	.00000	.04590	.01980	.00000	-.02610	-.07610
.799	.099	.00000	.00000	.04590	.01980	.00000	-.02610	-.09250
.799	.639	.01700	.00000	.04590	.02970	-.01700	-.02610	-.10070
.799	1.161	.01700	.00000	.04590	.01980	-.01700	-.02610	-.10890
.801	1.669	.01700	.00000	.04590	.02970	-.02550	-.01620	-.10890
.799	2.197	.02550	.00000	.04590	.02970	-.03400	-.01620	-.11710
.800	3.246	.03400	.00000	.04590	.02970	-.02550	-.01620	-.00587
.799	4.294	.02550	.00000	.00000	.00146	-.00451	.00146	
	GRADIENT	.00451	.00000					

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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AMES 118-1-11 CA145A 01

(02F000) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 18.700 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 9.000

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.597	-4.024	.03400	.02040	.03450	.01980	-.01360	-.01470	.43610
.597	-2.985	.02550	.02040	.03450	.01980	-.00510	-.01470	.07270
.597	-1.943	.02550	.02040	.03450	.01980	-.00510	-.01470	-.15290
.598	-1.420	.02550	.02040	.03450	.01980	-.00510	-.01470	.00000
.597	-.899	.02550	.02040	.03450	.01980	-.00510	-.01470	-.02040
.597	-.373	.02550	.02040	.03450	.01980	-.00510	-.01470	.00000
.596	.164	.03400	.02040	.03450	.01980	-.01360	-.01470	.16610
.597	.675	.02550	.02040	.03450	.01980	-.00510	-.01470	-.09170
.597	1.197	.02550	.02040	.03450	.01980	-.00510	-.01470	-.11210
.597	1.709	.02550	.02040	.03450	.01980	-.00510	-.01470	-.17330
.597	2.238	.02550	.02040	.03450	.01980	-.00510	-.01470	-.09170
.598	3.284	.02550	.02040	.03450	.01980	-.00510	-.01470	.00000
.597	4.331	.02550	.02040	.03450	.01980	-.00510	-.01470	-.10190
.597	GRADIENT	-.00050	.00000	.00000	.00000	.00050	-.00000	-.03887

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.799	-4.156	.01700	.03060	.04590	.01980	.01360	-.01470	-.11210
.798	-3.091	.01700	.02040	.04590	.01980	.00340	-.02610	-.43820
.798	-2.033	.01700	.02040	.04590	.01980	.00340	-.02610	.04150
.799	-1.500	.01700	.02040	.04590	.01980	.00340	-.02610	.00000
.798	-.963	.01700	.02040	.04590	.01980	.00340	-.02610	-.09170
.799	-.427	.01700	.02040	.04590	.01980	.00340	-.02610	-.10190
.800	.105	.01700	.02040	.04590	.01980	.00340	-.02610	-.11210
.800	.639	.01700	.02040	.04590	.01980	.00340	-.02610	-.03060
.799	1.166	.01700	.02040	.04590	.01980	.00340	-.02610	.00000
.799	1.688	.01700	.02040	.04590	.01980	.00340	-.02610	.07270
.799	2.226	.01700	.02040	.04590	.01980	.00340	-.02610	.23880
.799	3.297	.01700	.02040	.05740	.01980	.00340	-.03760	-.12230
.798	4.361	.01700	.02040	.05740	.01980	.00340	-.03760	.05190
.798	GRADIENT	.00000	-.00059	.00182	.00000	-.00059	-.00182	.03224

OAI45 TABULATED FORCE DATA
AHES 118-1-11 OAI45A 01

DATE 10 MAR 80

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDRK = 25.000 RUDDER = .000
RN/L = 3.000

RUN NO. 858/ 0		RN/L = 3.00		GRADIENT INTERVAL = -5.00/ 5.00	
MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI
.400	-4.999	.00850	.02040	.00000	.02970
.398	-.037	.00850	.02040	.00000	.02970
.398	2.518	.00850	.02040	.00000	.02970
.398	5.160	.00850	.02040	.00000	.02970
.399	8.197	.00850	.02040	.00000	.02970
.399	10.211	.00850	.02040	.00000	.02970
.399	12.195	.00850	.02040	.00000	.02970
.399	15.219	.00850	.01020	.00000	.02970
.399	17.204	.01700	.02040	.01150	.02970
.397	19.242	.00850	.02040	.00000	.00990
GRADIENT		.00000	.00000	.00000	.00000

RUN NO. 859/ 0		RN/L = 3.00		GRADIENT INTERVAL = -5.00/ 5.00	
MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI
.598	-5.021	.00000	.02040	.00000	.00990
.599	-.038	.00000	.01020	.00000	.00000
.598	2.516	.00000	.01020	.00000	.00000
.596	5.140	.00000	.01020	.00000	.00000
.595	8.196	.00000	.01020	.00000	.01980
.595	10.185	.00000	.01020	.00000	.01980
.595	12.238	.01010	.01020	.00000	.01980
.595	15.222	.00000	.01020	.00000	.01980
.597	17.248	.00000	.01020	.00000	.01980
.597	19.166	.00000	.01020	.00000	.01980
GRADIENT		.00000	.00000	.00000	.00000

RUN NO. 860/ 0		RN/L = 2.98		GRADIENT INTERVAL = -5.00/ 5.00	
MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI
.801	-4.994	.00000	.01020	.00000	.01980
.801	-.047	.00000	.01020	.00000	.01980
.800	2.516	.01700	.01020	.00000	.00680
.797	5.146	.01700	.00000	.00000	.01700
.796	8.222	.01700	.00000	.00000	.01980
.796	10.255	.01700	.01020	.00000	.00680
.799	12.248	.01700	.01020	.00000	.01980
.799	15.268	.01700	.00000	.00000	.00680
.796	17.242	.01700	.00000	.00000	.01980
.796	19.174	.01700	.01020	.00000	.01980
GRADIENT		.00196	.00000	.00000	.00000

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DATE 10 MAR 80

OAI45 TABULATED FORCE DATA
AMES 118-1-11 OAI45A 01

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(02F002) (18 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BOFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 863/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.397	-5.006	.00850	.00000	.01150	.01980	-.00850	.00830	-.10070
.397	-.026	.00850	.00000	.01150	.01980	-.00850	.00830	-.12540
.397	2.516	.00850	.00000	.01150	.01980	-.00850	.00830	-.12540
.396	5.151	.00850	.00000	.01150	.01980	-.00850	.00830	-.10890
.396	8.174	.01700	.00000	.01150	.01980	-.01700	.00830	-.05960
.395	10.233	.01700	.00000	.01150	.01980	-.01700	.00830	-.05140
.395	12.244	.01700	.00000	.01150	.01980	-.01700	.00830	-.04320
.397	15.264	.01700	.00000	.01150	.01980	-.01700	.00830	-.01860
.397	17.227	.01700	.00000	.01150	.01980	-.01700	.00830	-.02680
.397	19.164	.01700	.00000	.01150	.01980	-.01700	.00830	-.02680
GRADIENT		.00000	.00000	.00000	.00000	-.00000	.00000	-.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BOFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 6.900

RUN NO. 862/ 0 RN/L = 6.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.596	-5.066	.01700	.00000	.02300	.01980	-.01700	-.00320	-.07610
.597	-.030	.01700	.00000	.01150	.01980	-.01700	.00830	-.04320
.597	2.526	.01700	.00000	.01150	.01980	-.01700	.00830	-.05140
.596	5.151	.01700	.00000	.01150	.01980	-.01700	.00830	-.02680
.598	8.286	.01700	.00000	.02300	.01980	-.01700	.00320	-.01040
.597	10.341	.01700	.00000	.01150	.01980	-.01700	.00830	-.01860
.597	12.347	.01700	.00000	.01150	.01980	-.01700	.00830	-.00210
.596	15.384	.01700	.00000	.01150	.01980	-.01700	.00830	-.00210
.596	17.323	.01700	.00000	.02300	.01980	-.01700	-.00320	-.00210
.596	19.267	.01700	.00000	.02300	.01980	-.01700	-.00320	-.00610
GRADIENT		-.00000	.00000	-.00000	-.00000	-.00000	.00000	-.00321

AMES 118-1-11 OAI45A 01

(02F003) (18 JUL 77)

(D2F004) (16 JUL 77)

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO BETA = 2.000 ELEVON = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YO AILRON = .000 BDFLAP = .000
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPOBRK = 25.000 RUDDER = .000
SCALE = .0500 RN/L = 7.900

PARAMETRIC DATA

RUN NO. 861/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.797	-5.094	.02550	.01020	.02300	.01980	-.01530	-.00320	-.11710
.799	-.042	.02550	.01020	.02300	.01980	-.01530	-.00320	-.01860
.798	2.537	.01700	.01020	.02300	.01980	-.00680	-.00320	-.00210
.799	5.147	.01700	.01020	.02300	.01980	-.00680	-.00320	-.01430
.797	8.350	.01700	.01020	.02300	.01980	-.00680	-.00320	-.15000
.800	10.392	.01700	.01020	.02300	.01980	-.00680	-.00320	-.14180
.797	12.410	.01700	.00000	.02300	.01980	-.01700	-.00320	-.13360
.798	15.416	.01700	.00000	.02300	.01980	-.01700	-.00320	-.21560
.799	17.406	.01700	.00000	.02300	.02970	-.01700	.00670	-.31390
.799	19.369	.01700	.00000	.02300	.01980	-.01700	-.00320	-.40130
	GRADIENT	-.00330	.00000	.00000	.00000	.00330	-.00000	.00640

AMES 118-1-11 0A145A 01(-MPS NOZ)

(D2F005) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO BETA = .000 ELEVON = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YO AILRON = .000 BDFLAP = .000
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPOBRK = 25.000 RUDDER = .000
SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 918/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.597	-5.206	.01700	.01020	.00000	.03960	-.00680	.03960	-.15000
.597	-.218	.01700	.01020	.00000	.03960	-.00680	.03960	-.16090
.598	2.326	.01700	.01020	.00000	.03960	-.00680	.03960	-.16090
.598	4.802	.01700	.01020	.00000	.03960	-.00680	.03960	-.16090
.597	7.882	.00850	.01020	.00000	.03960	.00170	.03960	-.15000
.598	9.946	.00850	.01020	.00000	.03960	.00170	.03960	-.15000
.598	11.972	.00850	.01020	.00000	.03960	.00170	.03960	-.15000
.598	15.007	.01700	.01020	.00000	.03960	-.00680	.03960	-.15000
.597	16.975	.01700	.01020	.00000	.03960	-.00680	.03960	-.15000
.598	18.950	.01700	.01020	.00000	.03960	-.00680	.03960	-.15000
	GRADIENT	.00000	.00000	.00000	-.00000	.00000	-.00000	.00000

DATE 10 MAR 80

OAI145 TABULATED FORCE DATA

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AMES 118-1-11 OAI145A 01(-MPS NOZ)

(02F0G5) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. X0
 YMRP = .0000 IN. Y0
 ZMRP = 375.0000 IN. Z0

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 915/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.902	-5.238	.01700	.02040	.01150	.02970	.00340	.01820	-.13360
.901	-2.228	.01700	.01020	.01150	.03960	-.00680	.02810	-.13360
.900	2.357	.01700	.01020	.01150	.03960	-.00680	.02810	-.13360
.898	4.858	.01700	.02040	.01150	.03960	.00340	.02810	-.12540
.903	7.965	.01700	.01020	.01150	.03960	-.00680	.02810	-.12540
.899	9.992	.01700	.01020	.01150	.03960	-.00680	.02810	-.11710
.902	12.027	.02550	.02040	.01150	.03960	-.00510	.02810	-.11710
.902	15.072	.02550	.02040	.01150	.03960	-.00510	.02810	-.12540
.901	17.065	.03400	.02040	.01150	.03960	-.01360	.02810	-.10070
.900	18.999	.04250	.01020	.01150	.03960	-.03230	.02810	-.03500
	GRADIENT	-.00000	.00199	-.00000	.00000	.00199	.00000	.00160

RUN NO. 914/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.199	-5.247	.01700	.01020	.01150	.02970	-.00680	.01820	-.15000
1.199	-2.217	.00850	.01020	.01150	.02970	.00170	.01820	-.15000
1.201	2.366	.00850	.01020	.01150	.02970	-.00170	.01820	-.15000
1.200	4.911	.01700	.01020	.01150	.02970	.00620	.01820	-.15000
1.198	7.997	.02550	.01020	.00000	.02970	-.01530	.02970	-.14180
1.199	10.040	.03400	.01020	.01150	.02970	-.02380	.01820	-.14180
1.200	12.069	.03400	.01020	.00000	.02970	-.02380	.02970	-.13360
1.200	15.077	.03400	.01020	.01150	.02970	-.02380	.01820	-.13360
1.199	17.062	.02550	.01020	.00000	.02970	-.01530	.01820	-.13360
1.199	19.033	.03400	.01020	.00000	.03960	-.02380	.03960	-.14180
1.197	GRADIENT	.00165	.00000	.00000	.00000	-.00165	.00000	-.00000

RUN NO. 911/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.405	-5.238	.00850	.02040	.00000	.00990	.01190	-.00160	-.15000
1.405	-2.330	.00850	.01020	.00000	.00990	.00170	.00330	-.15000
1.402	2.329	.01700	.01020	.01150	.00000	-.00680	-.01150	-.15000
1.400	4.884	.01700	.02040	.00000	.00000	.00340	.00000	-.15000
1.401	7.961	.01700	.02040	.00000	.00000	.00340	.00000	-.15000
1.401	10.007	.02550	.02040	.00000	.01980	-.00510	.01980	-.15000
1.402	12.032	.02550	.02040	.00000	.01980	-.00510	.01980	-.15000
1.403	15.032	.01700	.02040	.01150	.01980	.00340	.00830	-.15000
1.390	17.035	.01700	.01020	.01150	.01980	-.00680	.00830	-.15000
1.382	19.035	.02550	.01020	.01150	.01980	-.01530	.00830	-.15000
	GRADIENT	.00166	.00199	.00000	-.00194	.00033	-.00194	.00000

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

ANES 118-1-11 0A145A 01(-MPS NOZ)

(D2F006) (18 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BOFLAP = .000
SPDRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 917/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.597	-6.056	.01700	.01020	.00000	.03960	-.00680	.03960	-.16090
.598	-1.938	.01700	.01020	.00000	.03960	-.00680	.03960	-.16280
.598	-.899	.01700	.01020	.00000	.03960	-.00680	.03960	-.16280
.598	.086	.01700	.01020	.00000	.03960	-.00680	.03960	-.16280
.598	.633	.01700	.01020	.00000	.03960	-.00680	.03960	-.16090
.597	1.116	.01700	.01020	.00000	.03960	-.00680	.03960	-.16290
.598	2.173	.01700	.01020	.00000	.03960	-.00680	.03960	-.16090
.597	3.200	.01700	.01020	.00000	.03960	-.00680	.03960	-.17190
.598	4.238	.01700	.01020	.00000	.03960	-.00680	.03960	-.17190
.598	6.299	.01700	.01020	.00000	.03960	-.00680	.03960	-.16280
	GRADIENT	-.00000	.00000	.00000	.00000	-.00000	.00000	.00244

RUN NO. 916/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.903	-6.113	.01700	.01020	.00000	.03960	-.00680	.03960	-.15000
.901	-1.984	.01700	.01020	.00000	.03960	-.00680	.03960	-.16280
.900	-.946	.01700	.01020	.00000	.03960	-.00680	.03960	-.20460
.901	.097	.01700	.01020	.00000	.03960	-.00680	.03960	-.23740
.899	.644	.01700	.01020	.00000	.03960	-.00680	.03960	-.14180
.901	1.151	.01700	.01020	.00000	.03960	-.00680	.03960	-.13360
.900	2.204	.01700	.01020	.00000	.03960	-.00680	.03960	-.15000
.899	3.245	.01700	.01020	.00000	.03960	-.00680	.03960	-.15000
.899	4.287	.01700	.01020	.00000	.03960	-.00680	.03960	-.15000
.896	6.361	.01700	.01020	.01150	.03960	-.00680	.02810	-.17190
	GRADIENT	.00000	.00000	.00000	.00000	-.00000	.00000	.00957

RUN NO. 913/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.200	-6.187	.02550	.01020	.01150	-.04040	-.01530	-.05190	-.15000
1.200	-2.072	.03400	.01020	.01150	-.04040	-.02380	-.05190	-.15000
1.198	-1.023	.02550	.01020	.01150	-.04040	-.01530	-.05190	-.15000
1.200	.029	.02550	.01020	.01150	-.04040	-.01530	-.05190	-.15000
1.201	.547	.01700	.01020	.01150	-.05050	-.00680	-.06200	-.15000
1.200	1.074	.01700	.01020	.01150	-.05050	-.00680	-.06200	-.15000
1.200	2.117	.01700	.01020	.01150	-.04040	-.00680	-.05190	-.15000
1.199	3.157	.01700	.01020	.01150	-.04040	-.00680	-.05190	-.16090
1.199	4.201	.01700	.01020	.01150	-.04040	-.00680	-.05190	-.16090
1.199	6.303	.01700	.01020	.01150	-.04040	-.00680	-.05190	-.17190
1.195		-.00252	.00000	.00000	.00013	.00252	.00013	-.00189

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OA145 TABULATED FORCE DATA

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AMES 118-1-11 0A145A 01 (-MPS NOZ)

(02F006) (16 JUL 77)

REFERENCE DATA

=	2690.0000	SG.FT.	XMRP	=	1076.6800	IN. XO	ALPHA	=	5.000	ELEVON	=	.000
=	474.8100	INCHES	YMRP	=	.0000	IN. YO	AILRON	=	.000	BOFLAP	=	.000
=	936.6800	INCHES	ZMRP	=	375.0000	IN. ZO	SPDRBK	=	25.000	RUDDER	=	.000
=	.0500	SCALE					RN/L	=	5.000			

PARAMETRIC DATA

RUN NO.	912/ 0	RN/L =	4.99	GRADIENT INTERVAL =	-5.00/	5.00
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MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRAH
1.401	-6.253	.01700	.01020	.00000	.01980	-.00680	.01980	-.15000
1.405	-2.093	.02550	.01020	.00000	.01980	-.01530	.01980	-.15000
1.404	-1.035	.01700	.02040	.00000	.01980	.00340	.01980	-.15000
1.404	-.012	.01700	.02040	.01150	.01980	.00340	.00830	-.15000
1.404	.534	.01700	.01020	.01150	.01980	-.00680	.00830	-.15000
1.403	1.077	.02550	.01020	.00000	.01980	-.01530	.01980	-.15000
1.403	2.134	.01700	.01020	.00000	.01980	-.00680	.01980	-.16090
1.403	3.179	.01700	.01020	.01150	.01980	-.00680	.00830	-.16090
1.403	4.228	.01700	.01020	.00000	.01980	.00340	.01980	-.17190
1.403	6.341	.01700	.01020	.00000	.01980	-.00680	.01980	-.18280
GRADIENT		-.00082	-.00099	.00025	.00000	-.00017	-.00025	-.00340

AMES 118-1-11 0A145A 01

(D2F0G7) (01 SEP 77)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN. X0	ALPHA	=	5.000	BETA	=	.000
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. Y0	ELEVON	=	.000	AILERON	=	.000
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. Z0	BDFLAP	=	.000	SPDRBK	=	25.000
SCALE	=	.0500						RUDDER	=	.000	RN/L	=	5.000

PARAMETRIC DATA

RUN NO.	356/ 0	RN/L = 4.91	GRADIENT INTERVAL = -5.00/ 5.00
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[illegible]

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

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(02F007) (01 SEP 77)

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 BETA = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELEVON = .000 AILRON = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO BOFLAP = .000 SPOBRK = 25.000
 SCALE = .0500 RUDDER = .000 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 367/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL	AIL-IB	AIL-OB
1.199	-40.000	.00850	.01020	.00000	.01980	.00170	.01980	.00000	-.00480	.00430
1.206	-20.000	.01700	.02040	.01150	.01980	.00340	.00830	.00000	.00030	.00280
1.200	-10.000	.01700	.01020	.02300	.01980	-.00680	-.00320	.00000	-.00480	-.00300
1.204	.000	.01700	.01020	.01150	.01980	-.00680	.00830	.00000	-.00480	.00280
1.197	20.000	.01700	.01020	.01150	.02970	-.00680	.01820	.00000	-.00980	.00280
1.199	40.000	.01700	.02040	.02300	.02970	.00340	.00670	.00000	-.00470	-.00300
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 BETA = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELEVON = .000 AILRON = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO BOFLAP = .000 SPOBRK = .000
 SCALE = .0500 RUDDER = .000 RN/L = 5.000

PARAMETRIC DATA

(02F008) (01 SEP 77)

RUN NO. 886/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL	AIL-IB	AIL-OB
.951	-40.000	.00850	.02040	.01150	.02970	.01190	.01820	-.13360	-.00470	-.00150
.951	-30.000	.00850	.02040	.01150	.02970	.01190	.01820	-.11710	-.00470	-.00150
.953	-20.000	.00850	.02040	.01150	.02970	.01190	.01820	-.12540	-.00470	-.00150
.952	-10.000	.00850	.02040	.01150	.02970	.01190	.01820	-.11710	-.00470	-.00150
.952	-5.000	.00850	.02040	.01150	.02970	.01190	.01820	-.11710	-.00470	-.00150
.952	.000	.01700	.02040	.01150	.02970	.00340	.01820	-.11710	-.00470	.00270
.951	5.000	.01700	.02040	.01150	.02970	.00340	.01820	-.12540	-.00470	.00270
.953	10.000	.01700	.02040	.01150	.02970	.00340	.01820	-.11710	-.00470	.00270
.952	20.000	.01700	.02040	.01150	.02970	.00340	.01820	-.11710	-.00470	.00270
.951	30.000	.01700	.02040	.01150	.02970	.00340	.01820	-.12540	-.00470	.00270
.948	40.000	.01700	.02040	.01150	.02970	.00340	.01820	-.12540	-.00470	.00270
	GRADIENT	.00085	.00000	.00000	.00000	-.00085	.00000	.00000	.00000	.00042

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OA145 TABULATED FORCE DATA

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AMES 118-1-11 0A145A 01

(D2F008) (01 SEP 77)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1075.6800	IN. X0	ALPHA	=	5.000	BETA	=	.000
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. Y0	ELEVON	=	.000	AILRON	=	.000
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. Z0	BDFLAP	=	.000	SPDBRK	=	.000
SCALE	=	.0500						RUDDER	=	.000	RN/L	=	5.000

PARAMETRIC DATA

RUN NO.	887/ 0	RN/L =	5.00	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

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RUN NO. 889/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

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[illegible]

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RUN NO.      894 / 0      RN/L = 5.01      GRADIENT INTERVAL = -5.00/ 5.00

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[illegible]

0A145 TABULATED FORCE DATA

DATE 10 MAR 80

(02F008) (01 SEP 77)

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 BETA = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELEVON = .000 AILRON = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO RUDDER = .000 SPDBRK = .000
 SCALE = .0500

PARAMETRIC DATA

RUN NO. 895/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL	AIL-IB	AIL-OB
1.400	-40.000	.0250	.0240	.01150	.01980	-.00510	.00830	-.12540	.00030	.00700
1.405	-30.000	.02550	.0240	.01150	.01980	-.00510	.00830	-.12540	.00030	.00700
1.409	-20.000	.02550	.0240	.01150	.01980	-.00510	.00830	-.12540	.00030	.00700
1.407	-10.000	.02550	.0240	.01150	.01980	-.00510	.00830	-.13360	.00030	.00700
1.407	.000	.02550	.0240	.01150	.01980	-.00510	.00830	-.13360	.00030	.00700
1.404	10.000	.02550	.0240	.01150	.01980	-.00510	.00830	-.13360	.00030	.00700
1.401	20.000	.02550	.0240	.01150	.01980	-.00510	.00830	-.13360	.00030	.00700
1.398	30.000	.02550	.0240	.01150	.01980	-.00510	.00830	-.13360	.00030	.00700
1.399	35.000	.01700	.0240	.01150	.01980	-.00340	.00830	-.13360	.00030	.00270
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(02F009) (16 JUL 77)

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = -20.000 BETA = 5.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELEVON = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO AILRON = .000 BDFLAP = .000
 SCALE = .0500

PARAMETRIC DATA

RUN NO. 892/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL	AIL-IB	AIL-OB
1.199	-10.771	.01700	.02040	.01150	.02970	.00340	.01820	-13.04900	.00030	.00700
1.201	-4.954	.01700	.02040	.01150	.02970	.00340	.01820	-6.02820	.00030	.00700
1.201	-2.442	.02550	.03060	.01150	.02970	.00510	.01820	-2.97460	.00030	.00700
1.199	-.123	.02550	.03060	.01150	.02970	.00510	.01820	-1.15000	.00030	.00700
1.201	2.496	.02550	.03060	.01150	.02970	.00510	.01820	3.04020	.00030	.00700
1.200	5.005	.02550	.03060	.01150	.02970	.00510	.01820	6.09000	.00030	.00700
1.200	10.027	.02550	.03060	.01150	.02970	.00510	.01820	12.15600	.00030	.00700
	GRADIENT	.00103	.00124	.00000	.00000	.00021	.00000	1.21727	.00000	.00000

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OAI45 TABULATED FORCE DATA

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(D2F0H0) (16 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 890/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.201	-10.771	.01700	.03060	.01150	.02970	.01360	.01820	-13.04900
1.201	-4.954	.01700	.03060	.01150	.02970	.01360	.01820	-6.02820
1.201	-2.459	.01700	.02040	.01150	.02970	.00340	.01820	-2.99440
1.201	-1.116	.01700	.02040	.01150	.02970	.00340	.01820	-1.14180
1.201	2.513	.01700	.02040	.01150	.02970	.00340	.01820	3.06120
	GRADIENT	-.00000	-.00123	-.00000	.00000	-.00123	-.00000	1.21728

PARAMETRIC DATA

Z = 35.000 ALPHA = 5.000
 BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = .000 RN/L = 5.000

AMES 118-1-11 OAI45A 01

(D2F0H1) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 893/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.199	-10.762	.02550	.02040	.01150	.02970	-.00510	.01820	-13.03800
1.201	-4.954	.02550	.02040	.01150	.02970	-.00510	.01820	-6.02820
1.200	-2.451	.02550	.02040	.01150	.02970	-.00510	.01820	-2.98450
1.201	-1.116	.02550	.02040	.01150	.02970	-.00510	.01820	-1.14180
1.201	2.496	.02550	.02040	.01150	.02970	-.00510	.01820	3.04020
1.201	5.024	.02550	.02040	.01150	.02970	-.00510	.01820	6.11260
1.201	10.003	.02550	.02040	.01150	.02970	-.00510	.01820	12.12800
	GRADIENT	-.00000	-.00000	.00000	-.00000	.00000	-.00000	1.21727

PARAMETRIC DATA

Z = -40.000 ALPHA = 5.000
 BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = .000 RN/L = 5.000

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

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AMES 118-1-11 0A145A 01

(D2F0H2) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

Z = .000 ALPHA = 5.000
BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RN/L = 5.000

RUN NO. 891/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.201	-10.754	.01700	.02040	.01150	.02970	.00340	.01820	-13.02630
1.201	-4.939	.01700	.03060	.01150	.02970	.01360	.01820	-6.01000
1.200	-2.442	.01700	.03060	.01150	.02970	.01360	.01820	-2.97460
1.200	-1.103	.01700	.03060	.01150	.02970	.01360	.01820	-1.12540
1.201	2.505	.01700	.03060	.01150	.02970	.01360	.01820	3.05070
1.201	5.024	.01700	.03060	.01150	.02970	.01360	.01820	6.11260
1.201	10.003	.01700	.03060	.01150	.02970	.01360	.01820	12.12800
	GRADIENT	.00000	.00000	-.00000	.00000	-.00000	-.00000	1.21728

AMES 118-1-11 0A145A 01

(D2F0H3) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 170/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.199	-9.867	-.06060	-.03420	-.03000	-.02020	.02640	.00980	-.02040
1.201	-4.1847	-.07070	-.03420	-.02080	-.02020	.03650	-.00020	-.01020
1.202	.111	-.04060	-.04550	-.03000	-.02020	.01510	.00980	.00000
1.199	2.872	-.07070	-.04550	-.03000	-.02020	.02520	.00980	.00000
1.196	5.543	-.07070	-.04550	-.03000	-.02020	.02520	-.00020	.01040
1.200	6.850	-.04060	-.04550	-.03000	-.02020	.01510	-.00020	.03110
1.195	7.539	-.07070	-.04550	-.03000	-.02020	.02520	.00980	.04150
1.198	8.549	-.08080	-.04550	-.03000	-.02020	.03530	.00980	.04150
1.200	9.310	-.07070	-.04550	-.03000	-.02020	.02520	.00980	.04150
1.196	10.599	-.06060	-.04550	-.03000	-.02020	.01510	.00980	.10380
1.199	11.412	-.07070	-.04550	-.03000	-.02020	.02520	.01980	.13500
1.197	12.609	-.07070	-.04550	-.03000	-.02020	.02520	.00980	.16610
1.199	13.652	-.07070	-.04550	-.03000	-.02020	.02520	.00980	.19730
1.199	15.909	-.07070	-.04550	-.03000	-.02020	.02520	.00980	.19730
1.195	20.695	-.08080	-.04550	-.02000	-.02020	.03530	-.00020	.32190
	GRADIENT	.00026	-.00156	-.00138	.00000	-.00182	.00138	.00141

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0A145 TABULATED FORCE DATA

PAGE 1601

(02F0H3) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVCM = .000
AILRON = .000 BOFLAP = .000
SPDBRK = 25.000 PUDDER = .000
RN/L = 5.000

RUN NO. 142/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.294	-5.619	-.09090	-.04550	-.01000	-.02020	.04540	-.01020	-.01020
1.296	-.195	-.09090	-.04550	-.01000	-.02020	.04540	-.01020	-.02040
1.317	.487	-.10100	-.03420	.00000	-.01010	.06690	-.01010	-.01020
1.297	1.610	-.09090	-.04550	-.01000	-.01010	.04540	.00010	-.01020
1.294	2.328	-.09090	-.04550	-.01000	-.02020	.04540	-.01020	-.01020
1.294	5.097	-.09090	-.04550	-.01000	-.02020	.04540	-.01020	-.01020
1.294	6.165	-.19190	-.04550	-.01000	-.01010	.14640	-.00010	-.01020
1.294	7.179	-.08080	-.04550	-.01000	-.02020	.03530	-.01020	-.01020
1.294	8.177	-.08080	-.04550	-.01000	-.02020	.03530	-.01020	-.01020
1.293	-9.114	-.09090	-.04550	-.02000	-.01010	.04540	.00990	-.01020
1.292	10.252	-.09090	-.04550	-.01000	-.02020	.04540	-.01020	-.01020
1.291	11.216	-.09090	-.04550	-.01000	-.01010	.04540	-.00010	-.01020
1.293	12.279	-.09090	-.04550	-.01000	-.01010	.04540	.00010	.00000
1.292	13.243	-.10100	-.04550	.00000	-.01010	.05550	-.01010	.00000
1.294	15.286	-.09090	-.04550	-.01000	-.01010	.04540	-.00010	-.01020
1.286	20.231	-.10100	-.04550	.00000	-.01010	.05550	-.01010	-.01020
	GRADIENT	.00151	-.00169	-.00150	-.00005	-.00322	.00145	.00335

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

PAGE 1603

(02F0H5) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 99/ 0 RN/L = 4.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.897	-5.439	-.11110	-.02280	.00000	-.01010	.08630	-.01010	-.01020
.903	-.038	-.11110	-.01140	.00000	-.01010	.09970	-.01010	-.02040
.899	2.334	-.12120	-.01140	.00000	-.01010	.10980	-.01010	-.03060
.897	5.055	-.10100	.00000	.00000	-.01010	.10100	-.01010	-.01020
.898	7.246	-.10100	.00000	.00000	-.01010	.10100	-.01010	-.01020
.900	8.182	-.10100	-.01140	.00000	-.01010	.08960	-.01010	.00000
.899	10.292	-.11110	-.01140	.00000	.00000	.09970	.00000	.00000
.896	12.304	-.11110	-.01140	.00000	.00000	.09970	.00000	-.01020
.897	15.440	-.11110	-.01140	.00000	.00000	.09970	.00000	-.01020
.899	20.472	-.11110	-.01140	.00000	.00000	.09970	.00000	-.01020
GRADIENT		-.00426	.00000	.00000	.00000	.00426	.00000	-.00430

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

AMES 118-1-11 OAI45A 01

(02F0H6) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 93/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.901	-4.644	10.16900	10.09600	9.87060	9.93960	-.07310	.06900	-.03060
.901	.235	10.18200	10.08800	9.87940	9.93960	-.09400	.06020	-.03060
.900	2.732	10.18200	10.10400	9.87940	9.93960	-.07870	.06020	-.03060
.898	5.300	10.18200	10.10400	9.87940	9.93960	-.07870	.06020	-.03060
.901	8.373	10.18200	10.09600	9.87060	9.94090	-.08540	.07830	-.03060
.900	10.412	10.18200	10.09600	9.87940	9.93960	-.08640	.06020	-.03060
.899	12.492	10.18200	10.08800	9.87060	9.93960	-.09400	.06900	-.06110
.899	15.578	10.16900	10.09600	9.87060	9.93960	-.07310	.06900	-.04080
.897	20.528	10.16900	10.09600	9.87940	9.93960	-.07310	.06020	-.06110
GRADIENT		.00189	.00071	.00128	.00000	-.00124	-.00128	.00000

PARAMETRIC DATA

BETA = .000 ELEVON = 10.000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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(DEF0H7) (16 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 181/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH
.902
.901
.902
.899
.902
.901
.902
.900
.901
.899
.898

BETA
-4.032
-2.968
-1.902
-.843
.031
.426
.956
2.050
3.128
4.183
6.250

ELV-LO
-1.1110
-1.1110
-1.1110
-1.1110
-1.1110
-1.1110
-1.1110
-1.1110
-1.1110
-1.1110
-1.0000

ELV-LI
-0.4550
-0.4550
-0.4550
-0.4550
-0.4550
-0.4550
-0.4550
-0.4550
-0.4550
-0.4550
-0.00016

ELV-RO
-0.1000
-0.1000
-0.1000
-0.1000
-0.1000
-0.1000
-0.1000
-0.1000
-0.1000
-0.1000
-0.0000

ELV-RI
-0.0200
-0.0200
-0.0200
-0.0200
-0.0200
-0.0200
-0.0200
-0.0200
-0.0200
-0.0200
-0.0000

DELL
.06560
.06560
.06560
.06560
.06560
.06560
.06560
.06560
.06560
.06560
.00016

DELR
-0.01020
-0.01020
-0.01020
-0.01020
-0.01020
-0.01020
-0.01020
-0.01020
-0.01020
-0.01020
-0.00000

DRHL
.00000
.00000
-0.01020
-0.03060
-0.05100
-0.06110
-0.07130
-0.08150
-0.09170
-0.11210
-0.14270
-0.01489

GRADIENT

AMES 118-1-11 OAI45A 01

(DEF0H8) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 20.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 333/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH
.398
.397
.397
.398
.397

BETA
-3.451
-2.938
-1.858
-1.332
-.809

ELV-LO
.02550
.02550
.02550
.02550
.02550
.02550
.02550
.02550
.02550
.02550
-0.00000

ELV-LI
.02040
.01020
.01020
.01020
.01020
.01020
.01020
.01020
.01020
.01020
-0.00289

ELV-RO
.02300
.02300
.02300
.02300
.02300
.02300
.02300
.02300
.02300
.02300
-0.00000

ELV-RI
.01980
.01980
.01980
.01980
.01980
.01980
.01980
.01980
.01980
.01980
-0.00000

DELL
-0.00510
-0.01530
-0.01530
-0.01530
-0.01530
-0.01530
-0.01530
-0.01530
-0.01530
-0.01530
-0.00289

DELR
-0.00320
-0.00320
-0.00320
-0.00320
-0.00320
-0.00320
-0.00320
-0.00320
-0.00320
-0.00320
-0.00000

DRHL
.06230
.05190
.05190
.05190
.04150
.04150
.04150
.04150
.04150
.04150
-0.00728

GRADIENT

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0A145 TABULATED FORCE DATA

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(D2F0H9) (16 JUL 77)

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

BETA = .000 ELEVON = 20.000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 423/ 0 RN/L = 4.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.404	-5.006	20.04700	20.17100	20.05000	20.12300	.12320	.07270	-.13360
1.404	.052	20.04700	20.16000	20.04100	20.12300	.11260	.08200	-.13360
1.401	2.668	20.04700	20.13000	20.04100	20.12300	.08290	.08200	-.13360
1.400	5.194	20.04700	20.08100	20.04100	20.12300	.03340	.08200	-.13360
1.399	7.237	20.04700	20.07100	20.04100	20.12300	.02350	.08200	-.13360
1.400	8.255	20.04700	20.06100	20.04100	20.12300	.01360	.08200	-.13360
1.400	10.291	20.04700	20.06100	20.04100	20.12300	.01360	.08200	-.13360
1.399	12.320	20.04700	20.03100	20.04100	20.12300	-.01610	.08200	-.13360
1.393	15.347	20.04700	20.00200	20.04100	20.12300	-.04580	.08200	-.13360
	GRADIENT	.00000	-.01148	-.00000	.00000	-.01136	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 87.200 RUDDER = .000
 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 478/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.952	-6.174	.00850	.01020	.01150	.02970	.00170	.01820	-.12540
.953	-2.009	.00850	.01020	.01150	.02970	.00170	.01820	-.19370
.950	-.957	.00850	.01020	.01150	.02970	.00170	.01820	-.20460
.950	.095	.00850	.00000	.01150	.02970	-.00850	.01820	-.21560
.952	.601	.00850	.02040	.01150	.02970	.00190	.01820	-.11710
.951	1.122	.00850	.01020	.01150	.02970	.00170	.01820	-.12540
.950	2.169	.00850	.01020	.01150	.02970	-.00850	.01820	-.13360
.951	3.218	.00850	.00000	.01150	.02970	.00000	.01820	-.15000
.950	4.249	.00000	.00000	.01150	.02970	.00000	.01820	-.18280
.947	6.301	.00000	.00000	.01150	.02970	.00000	.01820	-.20460
.948	8.339	.00000	.00000	.01150	.02970	.00000	.01820	-.01164
	GRADIENT	-.00088	-.00161	.00000	.00000	-.00073	.00000	

(D2F0I0) (08 JUL 77)

AMES 118-1-11 0A145A 01

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

(D2F011) (08 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 483/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.590	-5.053	.00000	.01020	.01150	.02970	.01020	.01820	-.12540
.592	-.134	.00000	.01020	.01150	.02970	.01020	.01820	-.12540
.597	4.913	.00000	.01020	.01150	.03960	.01020	.02810	-.12540
.597	10.171	.00000	.00000	.01150	.02970	.00000	.01820	-.11710
.599	15.200	.01700	.00000	.01150	.02970	-.01700	.01820	-.10070
GRADIENT		.00000	-.00000	-.00000	.00196	-.00000	.00196	.00000

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILIRON = .000 BDFLAP = .000
 SPDBRK = 87.200 RUDDER = .000
 RN/L = 5.000

AMES 118-1-11 OAI45A 01

(D2F012) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 537/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.203	-6.104	.00000	.00000	.00000	.00000	.00000	.00000	-.15000
1.204	-1.960	.00000	.00000	.00000	.00000	.00000	.00000	-.15000
1.203	-.924	.00000	.00000	.00000	.00000	.00000	.00000	-.15000
1.204	.031	.00000	.00000	.00000	.00000	.00000	.00000	-.15000
1.202	.559	.00000	.00000	.00000	.00000	.00000	.00000	-.15000
1.204	1.055	.00000	.00000	.00000	.00000	.00000	.00000	-.15000
1.201	2.127	.00000	.00000	.00000	.00000	.00000	.00000	-.15000
1.201	3.176	.00000	.00000	.00000	.00000	.00000	.00000	-.15000
1.200	4.228	.00000	.00000	.00000	.00000	.00000	.00000	-.15000
1.199	6.324	.00000	.00000	.00000	.00000	.00000	.00000	-.15000
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000	-.00000

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILIRON = .000 BDFLAP = .000
 SPDBRK = 55.000 RUDDER = .000
 RN/L = 5.000

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

(02F013) (08 JUL 77)

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 BETA = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELEVON = .000 AILRON = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO BDFLAP = .000 SPDBRK = 55.000
 SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 519/ 0 RN/L = 4.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.404	-14.736	.05100	.00000	.01150	.00990	-.05100	-.00160	-17.76800
1.404	-10.664	.05100	.00000	.02300	.00990	-.05100	-.01310	-12.92000
1.404	-5.433	.05950	.00000	.02300	.00990	-.05950	-.01110	-6.61000
1.446	-2.768	.05950	.00000	.02300	.00990	-.05950	-.01310	-3.37060
1.404	-.089	.05100	.00000	.02300	.00990	-.05100	-.01310	-.10890
	GRADIENT	-.00317	.00000	.00000	.00000	.00317	-.00000	1.21782

AMES 118-1-11 0A145A 01

(02F014) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 BETA = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELEVON = .000 AILRON = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO BDFLAP = .000 SPDBRK = 15.000
 SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 689/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.899	-14.965	.01700	.03060	.01150	.00990	.01360	-.00160	-18.03800
.901	-10.754	.00850	.03060	.01150	.00990	.02210	-.00160	-13.02800
.901	-4.947	.00850	.03060	.01150	.00990	.02210	-.00160	-6.01910
.899	-2.442	.00850	.03060	.01150	.00990	.02210	-.00160	-2.97460
.901	-.089	.00850	.03060	.01150	.00990	.02210	-.00160	-.10890
.900	2.505	.00850	.03060	.01150	.00990	.02210	-.00160	3.05070
.900	5.033	.00850	.03060	.01150	.00990	.02210	-.00160	6.12390
.900	10.027	.00850	.03060	.01150	.00990	.02210	-.00160	12.15600
.900	15.022	.00850	.03060	.01150	.00990	.02210	-.00160	18.10500
.899	18.098	.00850	.03060	.01150	.00990	.02210	-.00160	21.71000
.899	22.836	.00850	.03060	.01150	.00990	.02210	-.00160	27.15900
	GRADIENT	.00000	.00000	.00000	.00000	-.00000	.00000	1.21728

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

(02F015) (01 SEP 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BOFLAP = .000
SPDBRK = 40.000 RUDDER = .000
RN/L = 5.000

RUN NO. 716/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
1.400	4.984	.00850	.02040	.01150	.02970	.01190	.01820	-.14180
1.399	10.096	.00850	.02040	.01150	.02970	.01190	.01820	-.14180
1.398	15.166	.00850	.02040	.01150	.02970	.01190	.01820	-.14180
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(02F016) (08 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = 2.000
AILRON = .000 BOFLAP = -.900
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 818/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.900	-30.298	-31.32600	-29.95800	-29.95800	-29.95100	1.36840	.00700	-.14180
.903	-19.743	-19.97500	-19.05000	-19.96400	-19.98400	.92470	-.02010	-.15000
.999	-17.282	-10.18500	-19.05000	-19.94100	-19.95200	-8.86490	-.01050	-.15000
.901	-14.950	-14.94000	-14.93400	-14.96900	-14.95700	.00660	.01190	-.15000
.899	-9.955	-9.96100	-9.93490	-9.97480	-9.95050	.02610	.02440	-.15000
.899	-5.945	-5.95300	-5.94380	-5.93700	-5.94600	.00920	-.00900	-.15000
.800	-3.939	-3.94190	-3.93930	-3.93000	-3.94310	.00260	-.01310	-.15000
.901	-1.942	-1.93560	-1.94070	-1.95300	-1.94080	-.00510	.01220	-.15000
.901	.005	.00850	.00000	.00000	.00990	-.00850	.00990	-.15000
.902	2.012	1.99500	2.02510	1.92830	2.03000	.03010	.03170	-.15000
.903	4.013	3.99240	4.01170	4.01110	4.03680	.01930	.02570	-.15000
.901	6.006	5.99700	5.99780	6.00850	6.02040	.00080	.01190	-.16090
.900	10.011	10.01000	9.98120	10.01100	10.04200	-.02860	.03100	-.15000
.901	15.017	15.01500	14.96400	15.04000	15.05000	-.05100	.01000	-.15000
	GRADIENT	.99704	1.00051	.99878	1.00367	.00346	.00489	-.00000

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(D2F017) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 7.500 RUDDER = .000
 RN/L = 5.000

RUN NO. 898/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.951	-5.284	.01700	.02040	.01150	.02970	.00340	.01820	-.10890
.950	-2.248	.01700	.02040	.01150	.02970	.00340	.01820	-.10890
.949	2.289	.02550	.02040	.01150	.02970	-.00510	.01820	-.10890
.949	4.877	.02550	.02040	.01150	.02970	-.00510	.01820	-.10890
.949	7.959	.02550	.02040	.01150	.02970	-.00510	.01820	-.10070
.950	10.008	.02550	.02040	.01150	.02970	-.00510	.01820	-.08430
.950	12.039	.03400	.02040	.01150	.02970	-.01360	.01820	-.06790
	GRADIENT	.00165	.00000	.00000	.00000	-.00165	-.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = 16.300
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

AMES 118-1-11 OAI45A 01

(D2F018) (16 JUL 77)

RUN NO. 283/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.952	-5.082	.00000	.02040	.01150	.01980	.02040	.00830	.02080
.952	-2.055	.00000	.02040	.01150	.02970	.02040	.01820	.00000
.949	2.483	.00000	.03060	.01150	.02970	.03060	.01820	-.02040
.955	5.013	.00000	.03060	.01150	.01980	.03060	.00830	.02080
.949	6.032	.00850	.02040	.01150	.01980	.01190	.00830	.00000
.949	7.058	.00850	.02040	.01150	.01980	.01190	.00830	.01040
.951	8.083	.00850	.02040	.00000	.01980	.01190	.01980	.01040
	GRADIENT	.00000	.00402	-.00000	-.00000	.00402	.00000	-.00804

DATE 10 MAR 80
OAI45 TABULATED FORCE DATA
AMES 118-1-11 OAI45A 01

(02F019) (18 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = -11.700
SPOBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 444/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.396	-4.996	.00850	.01020	.02300	.02970	.00170	.00670	-.14180
.396	-.716	.00000	.01020	.02300	.01980	.01020	-.00320	-.14180
.396	.029	.01700	.01020	.02300	.02970	-.00680	.00670	-.13360
.397	2.505	.00850	.01020	.02300	.02970	.00170	.00670	-.11710
.396	5.021	.00850	.01020	.02300	.02970	.00170	.00670	-.11710
.396	6.904	.00000	.01020	.02300	.02970	.01020	.00670	-.10890
.396	8.118	.00000	.01020	.02300	.02970	-.03230	-.00480	-.10890
.396	10.140	.04250	.01020	.03450	.02970	-.03230	.00670	-.10890
.396	12.182	.04250	.01020	.02300	.02970	-.02380	.00670	-.10890
.396	15.232	.03400	.01020	.02300	.02970	-.02380	.00670	-.10890
GRADIENT		.00022	-.00000	-.00000	-.00003	-.00022	-.00003	.00302

AMES 118-1-11 OAI45A 01

(02F0J0) (18 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPOBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 419/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELV-LO	ELV-LI	ELV-RO	ELV-RI	DELL	DELR	DRHL
.597	-6.158	.00850	.00000	.04590	.03960	-.00850	-.00630	-.10890
.597	-2.082	.00850	.00000	.04590	.03960	-.00850	-.00630	-.10890
.597	-1.038	.00850	.00000	.04590	.04950	-.00850	.00360	-.10890
.598	.033	.00850	.00000	.04590	.04950	-.00850	.00360	-.10890
.598	.547	.00850	.00000	.04590	.03960	-.00850	-.00630	-.10890
.598	1.065	.00850	.00000	.04590	.04950	-.00850	.00360	-.10890
.598	2.120	.00850	.00000	.04590	.03960	-.00850	-.00630	-.10890
.598	3.160	.00850	.01020	.04590	.04950	.00170	-.00630	-.11710
.597	4.193	.00850	.01020	.04590	.03960	.00170	-.00630	-.11710
.597	6.250	.00850	.01020	.04590	.03960	.00170	-.00630	-.12540
GRADIENT		.00000	.00177	.00000	-.00025	.00177	-.00025	-.00142

(E2F001) (06 MAR 80)

ANES 118-1-11 OAI45A 01(INVERTED)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 9/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.598	-9.204	.00000	.00000	.00000
.601	-4.942	.00000	.00000	.00000
.598	-.058	.00000	.00000	.00000
.600	.502	.00000	.00000	.00000
.597	3.229	.00000	.00000	.00000
.597	5.950	.00000	.00000	.00000
.597	8.114	.00000	.00000	.00000
.597	9.200	.00000	.00000	.00000
.597	11.349	.00000	.00000	.00000
.597	13.502	.00000	.00000	.00000
.597	16.650	.00000	.00000	.00000
.596	20.812	.00000	.00000	.00000
	GRADIENT	.00000	.00000	.00000

RUN NO. 10/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.800	-9.447	.00000	.00000	.00000
.798	-5.130	.00000	.00000	.00000
.799	-.036	.00000	.00000	.00000
.801	.492	.00000	.00000	.00000
.800	3.295	.00000	.00000	.00000
.798	6.097	.00000	.00000	.00000
.800	8.320	.00000	.00000	.00000
.799	9.425	.00000	.00000	.00000
.798	11.607	.00000	.00000	.00000
.799	13.759	.00000	.00000	.00000
.800	16.973	.00000	.00000	.00000
.799	21.145	.00000	.00000	.00000
	GRADIENT	.00000	.00000	.00000

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

PAGE 1612

AMES 118-1-11 OAI45A 01(INVERTED)

(E2F001) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BOFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 11/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.901	-9.577	.0000	.0000	.0000
.899	-5.230	.0000	.0000	.0000
.901	-.020	.0000	.0000	.0000
.902	.515	.0000	.0000	.0000
.902	3.360	.0000	.0000	.0000
.899	6.153	.0000	.0000	.0000
.901	8.361	.0000	.0000	.0000
.899	9.468	.0000	.0000	.0000
.900	11.686	.0000	.0000	.0000
.902	13.876	.0000	.0000	.0000
.902	17.074	.0000	.0000	.0000
.902	21.264	.0000	.0000	.0000
	GRADIENT	.0000	.0000	.0000

RUN NO. 12/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.947	-9.641	.0000	.0000	.0000
.951	-5.285	.0000	.0000	.0000
.953	-.014	.0000	.0000	.0000
.953	.526	.0000	.0000	.0000
.951	3.400	.0000	.0000	.0000
.950	6.232	.0000	.0000	.0000
.950	8.450	.0000	.0000	.0000
.950	9.567	.0000	.0000	.0000
.951	11.786	.0000	.0000	.0000
.952	13.975	.0000	.0000	.0000
.950	17.175	.0000	.0000	.0000
	GRADIENT	.0000	.0000	.0000

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

PAGE 1613

AMES 118-1-11 0A145A 01(INVERTED)

(E2F001) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 16/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
1.050	-9.693	.00000	.00000	.00000
1.049	-5.289	.00000	.00000	.00000
1.050	.009	.00000	.00000	.00000
1.050	.550	.00000	.00000	.00000
1.050	3.448	.00000	.00000	.00000
1.048	6.321	.00000	.00000	.00000
1.050	8.584	.00000	.00000	.00000
1.050	9.715	.00000	.00000	.00000
1.050	11.970	.00000	.00000	.00000
1.050	14.188	.00000	.00000	.00000
1.049	17.445	.00000	.00000	.00000
	GRADIENT	.00000	.00000	.00000

RUN NO. 15/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
1.102	-9.726	.00000	.00000	.00000
1.099	-5.318	.00000	.00000	.00000
1.101	.022	.00000	.00000	.00000
1.100	.571	.00000	.00000	.00000
1.102	3.475	.00000	.00000	.00000
1.098	6.351	.00000	.00000	.00000
1.100	8.613	.00000	.00000	.00000
1.099	9.758	.00000	.00000	.00000
1.101	12.020	.00000	.00000	.00000
1.099	14.253	.00000	.00000	.00000
1.102	17.561	.00000	.00000	.00000
	GRADIENT	.00000	.00000	.00000

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

PAGE 1614

AMES 118-1-11 0A145A 01(INVERTED)

(E2F001) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. X0
YMRP = .0000 IN. Y0
ZMRP = 375.0000 IN. Z0

PARAMETRIC DATA

BETA = .000
AILLON = .000
SPDRK = 25.000
RN/L = 5.000
ELEVON = .000
BDFLAP = .000
RUDDER = .000

RUN NO. 14/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
1.199	-9.706	.00000	.00000	.00000
1.196	-5.288	.00000	.00000	.00000
1.201	.033	.00000	.00000	.00000
1.201	.583	.00000	.00000	.00000
1.197	3.469	.00000	.00000	.00000
1.198	6.347	.00000	.00000	.00000
1.197	8.618	.00000	.00000	.00000
1.200	9.762	.00000	.00000	.00000
1.198	12.024	.00000	.00000	.00000
1.200	14.264	.00000	.00000	.00000
1.198	17.549	.00000	.00000	.00000
	GRADIENT	.00000	.00000	.00000

RUN NO. 13/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
1.294	-9.665	.00000	.00000	.00000
1.299	-5.223	.00000	.00000	.00000
1.302	.042	.00000	.00000	.00000
1.299	.587	.00000	.00000	.00000
1.295	3.461	.00000	.00000	.00000
1.295	6.327	.00000	.00000	.00000
1.294	8.600	.00000	.00000	.00000
1.295	9.743	.00000	.00000	.00000
1.294	12.010	.00000	.00000	.00000
1.293	14.243	.00000	.00000	.00000
1.294	17.514	.00000	.00000	.00000
	GRADIENT	.00000	.00000	.00000

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

PAGE 1615

AMES 118-1-11 0A145A 01(PH1=90)

(E2F002) (05 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

PARAMETRIC DATA
ALPHA = .000
AILRON = .000
SPDRK = 25.000
RN/L = 5.000
ELEVON = .000
BOFLAP = .000
RUDDER = .000

RUN NO. 25/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.597	-9.559	-.22470	.23940	-.13910
.597	-7.589	-.21900	.20590	-.10090
.597	-5.551	-.21400	.17260	-.05890
.597	-1.435	-.21370	.10020	.01770
.598	-.423	-.21140	.08410	.03660
.601	.641	-.21140	.06100	.05340
.597	1.609	-.21190	.04880	.07330
.597	2.629	-.21420	.02600	.09400
.597	3.642	-.21600	.00830	.11520
.597	4.626	-.21600	-.01060	.13530
.597	6.649	-.22230	-.05290	.17520
.597	8.681	-.22610	-.09030	.22130
.597	10.701	-.22380	-.12250	.25940
.596	13.540	-.23280	-.18870	.30000
	GRADIENT	-.00067	-.01834	.01945

RUN NO. 24/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.798	-9.628	-.23920	.30230	-.11150
.798	-7.646	-.23960	.25960	-.07260
.798	-5.596	-.23360	.22690	-.02600
.798	-1.449	-.22500	.15340	.08510
.798	-.427	-.22590	.13130	.08380
.797	.646	-.22760	.11180	.10120
.798	1.621	-.23360	.08990	.11860
.797	2.649	-.23510	.07250	.14070
.797	3.670	-.23410	.05170	.16560
.798	4.663	-.23500	.03090	.18770
.796	6.699	-.23970	-.01310	.22800
.797	8.742	-.24470	-.04760	.27560
.796	10.774	-.26120	-.08820	.31350
	GRADIENT	-.00189	-.01983	.02000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
AILRON = .000 BOFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 23/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.901	-9.665	-.27170	.35500	-.06130
.899	-7.677	-.26660	.31340	-.02100
.902	-5.619	-.25680	.27820	.02800
.902	-1.454	-.26690	.20730	.11180
.902	-.428	-.27690	.18450	.13150
.901	.648	-.27710	.16200	.15190
.901	1.628	-.29610	.14230	.17050
.901	2.660	-.29720	.12560	.19530
.900	3.687	-.30190	.10390	.21720
.899	4.681	-.33660	.08040	.23530
.901	6.727	-.34550	.04890	.28310
.901	8.776	-.37770	.01260	.32630
.900	10.815	-.39300	-.02340	.37200
.899	13.675	-.39620	-.08260	.42010
	GRADIENT	-.00972	-.02019	.02043

RUN NO. 22/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.948	-9.670	-.30450	.38930	-.02230
.953	-7.680	-.30270	.35470	.02430
.950	-5.617	-.30580	.31680	.06550
.953	-1.451	-.35980	.24420	.15210
.951	-.428	-.37260	.22340	.16950
.951	.646	-.37550	.20290	.19270
.950	1.625	-.38060	.18280	.21030
.950	2.656	-.38900	.16100	.22940
.950	3.684	-.39350	.14410	.25480
.949	4.680	-.39530	.12340	.27340
.951	6.731	-.40550	.09150	.31990
.951	8.782	-.42110	.05890	.36270
.950	10.823	-.43240	.02360	.40930
.947	13.691	-.45220	-.02640	.45610
	GRADIENT	-.00495	-.01966	.01995

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01(PHI=90)

(E2F002) (05 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = .000 ELEVON = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO AIRRON = .000 BDFLAP = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPOBRK = 25.000 RUDDER = .000
 SCALE = .0500 RN/L = 5.00

PARAMETRIC DATA

RUN NO. 21/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.045	-9.679	-.32920	.49050	.09980
1.050	-7.681	-.33510	.45490	.13750
1.051	-5.618	-.33500	.42060	.17760
1.052	-1.456	-.31990	.34970	.25940
1.050	-.430	-.32790	.32810	.27500
1.048	.646	-.33320	.30580	.29550
1.049	1.628	-.33460	.29220	.31750
1.050	2.660	-.33390	.27270	.33780
1.048	3.684	-.34480	.25150	.35600
1.049	4.681	-.35380	.23780	.37940
1.047	6.730	-.36750	.20570	.41890
1.047	8.788	-.36890	.17620	.46170
1.047	10.840	-.37590	.14130	.50500
1.048	13.721	-.38210	.10860	.55800
	GRADIENT	-.00475	-.01822	.01969

RUN NO. 20/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.097	-9.678	-.36120	.52230	.15020
1.103	-7.684	-.34480	.48710	.18010
1.104	-5.620	-.33520	.45060	.21010
1.103	-1.455	-.32460	.37750	.28820
1.101	-.429	-.32720	.35820	.30520
1.101	.647	-.32120	.33880	.32720
1.101	1.628	-.31640	.32300	.34710
1.100	2.659	-.31840	.30330	.36620
1.101	3.689	-.32020	.28670	.38870
1.100	4.685	-.32490	.27410	.40800
1.100	6.734	-.33230	.24490	.44890
1.098	8.790	-.33440	.21660	.49220
1.100	10.842	-.33990	.18820	.53870
1.099	13.728	-.35190	.16080	.59510
	GRADIENT	.00056	-.01705	.01972

DATE 10 MAR 80

OA145 TABULATED FORCE DATA

AMES 118-1-11 OA145A 01(PH1=90)

(EF002) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPOBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 19/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.200	-9.692	-.32820	.54920	.22170
1.200	-7.692	-.32130	.51080	.23830
1.202	-5.625	-.31140	.47250	.26400
1.201	-1.458	-.29770	.39830	.31180
1.200	-.437	-.29730	.38610	.32990
1.200	.639	-.29730	.37360	.35110
1.199	1.618	-.29630	.35870	.36800
1.198	2.650	-.30050	.34000	.38530
1.199	3.682	-.30190	.32860	.40620
1.198	4.683	-.30380	.31740	.42680
1.198	6.740	-.29920	.28170	.47040
1.198	8.806	-.29870	.21460	.51580
1.197	10.866	-.29490	.16430	.56030
1.198	13.761	-.29880	.10200	.62570
	GRADIENT	-.00107	-.01364	.01855

RUN NO. 18/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.294	-9.714	-.35370	.55860	.23370
1.296	-7.715	-.34340	.52280	.29510
1.297	-5.644	-.33880	.48660	.31750
1.297	-1.465	-.31220	.42810	.36080
1.296	-.439	-.30750	.41650	.37070
1.299	.612	-.30530	.40440	.38860
1.296	1.622	-.30380	.38630	.40630
1.296	2.655	-.30130	.34750	.42330
1.295	3.689	-.30280	.31870	.43950
1.294	4.691	-.30750	.29580	.45470
1.293	6.751	-.30690	.25760	.49280
1.293	8.820	-.30760	.19400	.53220
1.292	10.889	-.30620	.14560	.57450
1.296	13.834	-.29400	.09120	.63880
	GRADIENT	.00096	-.02256	.01578

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

ALPHA =
 AILRON =
 SPBRK =
 RN/L =

ELEVON = .000
 BDFLAP = .000
 RUDDER = .000
 25.000
 5.000

RUN NO. 0/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.200	-9.692	-31780	-31780	-31810	-31700	-32820	-32820	-33210	-33650	-54520	-22170
1.200	-7.692	-31070	-31030	-31140	-31040	-32130	-32130	-32520	-33010	-51080	-23830
1.202	-5.625	-30160	-30380	-30090	-30260	-31140	-31140	-31650	-32000	-47250	-26400
1.201	-1.458	-29000	-29220	-29110	-29000	-29770	-29770	-30040	-30530	-39830	-31180
1.200	-4.37	-29230	-29260	-29160	-29280	-29730	-29730	-29960	-30380	-38610	-32990
1.200	.639	-29210	-29330	-29180	-29310	-29730	-29730	-30090	-30400	-37350	-35110
1.200	1.618	-29150	-29250	-29280	-29350	-29630	-29630	-29990	-30410	-35870	-36800
1.199	2.650	-29530	-29480	-29530	-29500	-30050	-30050	-30170	-30600	-34000	-38530
1.198	3.682	-29990	-30060	-29960	-29930	-30190	-30190	-30640	-30890	-32860	-40620
1.198	4.683	-30180	-30210	-30240	-30220	-30380	-30380	-30700	-31110	-37740	-42680
1.198	6.740	-30280	-30270	-30410	-30380	-29920	-29920	-30090	-30740	-28170	-47040
1.198	8.806	-30640	-30800	-30890	-30800	-29870	-29870	-29940	-30160	-21460	-51580
1.197	10.866	-31220	-31290	-31250	-31280	-29490	-29490	-29640	-29840	-16430	-56030
1.198	13.761	-31200	-31170	-31140	-30990	-29880	-29880	-29910	-30040	-10200	-62570
	GRADIENT	-00187	-00164	-00186	-00179	-00107	-00107	-00119	-00103	-01364	-01855

RUN NO. 0/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.294	-9.714	-32760	-32730	-32860	-32770	-35370	-35370	-35750	-36110	-55860	-23370
1.296	-7.715	-32050	-32190	-32160	-32190	-34340	-34340	-34830	-35050	-52280	-29510
1.297	-5.644	-31250	-31250	-31260	-30920	-33880	-33880	-34120	-34520	-48660	-31750
1.297	-1.465	-29200	-29580	-29510	-29580	-31220	-31220	-31340	-31730	-42810	-36080
1.296	-4.39	-29560	-29530	-29490	-29670	-30750	-30750	-30880	-31490	-41650	-37070
1.299	.612	-29360	-29520	-29480	-29560	-30530	-30530	-30970	-31180	-40440	-38860
1.296	1.622	-29300	-29500	-29440	-29400	-30380	-30380	-30840	-30910	-38630	-40630
1.296	2.655	-29260	-29420	-29570	-29560	-30130	-30130	-30640	-30860	-34750	-42330
1.295	3.689	-29890	-30130	-29790	-30140	-30280	-30280	-30790	-31090	-31870	-43950
1.294	4.691	-30070	-30200	-30050	-30190	-30750	-30750	-31020	-31220	-29580	-45470
1.294	6.751	-30730	-30790	-30590	-30330	-30690	-30690	-30910	-31370	-25760	-49280
1.293	8.820	-31120	-31190	-31210	-31050	-30760	-30760	-31130	-31470	-19400	-53220
1.292	10.889	-31680	-31710	-31570	-31270	-30620	-30620	-30690	-31160	-14550	-57450
1.296	13.834	-31000	-31250	-31100	-31210	-29400	-29400	-29620	-29620	-09120	-63880
	GRADIENT	-00117	-00103	-00080	-00096	-00096	-00096	-00051	-00092	-02256	-01578

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0A145 TABULATED FORCE DATA

AMES 118-1-11 0A145A 01(PHI=90)

(E2F003) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA =
ATLRON =
SPDBRK =
RN/L =
5.000 ELEVON = .000
.000 BOFLAP = .000
25.000 RUDDER = .000
5.000

-5.00/ 5.00

RUN NO. 26/ 0 RN/L = 5.03 GRADIENT INTERVAL =

MACH	BETA	CP240	CP12	CP13
.596	-9.713	-.24740	.37800	-.12520
.597	-7.763	-.24290	.34020	-.07100
.597	-5.730	-.24220	.29530	-.01930
.597	-1.628	-.24390	.20260	.08020
.597	-.616	-.23910	.17910	.10850
.597	.435	-.24600	.15170	.12890
.597	1.458	-.24200	.12680	.15480
.597	2.507	-.24820	.10290	.17720
.597	3.567	-.24760	.07600	.20210
.597	4.577	-.24530	.04080	.22820
.597	6.664	-.25150	-.01060	.27500
.596	8.738	-.25560	-.06240	.32360
.596	10.798	-.25940	-.11280	.36990
.596	13.741	-.26970	-.18100	.43410
.596	GRADIENT	-.00081	-.02548	.02338

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(E2F004) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 43/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.596	-10.535	-.22710	-.23180	-.21930
.597	-6.436	-.21770	-.08490	-.07600
.597	-1.140	-.20360	.04830	.04060
.599	.027	-.20180	.07140	.06350
.597	1.534	-.21280	.11370	.08880
.598	4.227	-.23300	.14450	.11550
.598	6.423	-.24600	.16510	.14380
.598	7.531	-.25320	.16820	.14980
.598	9.749	-.26730	.17200	.15130
.597	11.948	-.29180	.17540	.14040
.598	15.208	-.34760	.15190	.12440
.598	19.879	-.44760	.08220	.06120
	GRADIENT	-.00593	.01818	.01374

RUN NO. 35/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.899	-10.950	-.35490	-.05190	-.02130
.900	-6.723	-.31460	.04420	.05640
.898	-1.193	-.26790	.14570	.13860
.900	.037	-.25910	.16880	.15590
.901	1.615	-.28060	.20390	.17110
.900	4.397	-.31180	.23420	.20010
.899	6.670	-.33780	.24870	.21630
.899	7.799	-.33980	.25760	.22710
.898	10.048	-.36850	.26610	.22910
.902	12.319	-.40410	.26420	.22940
.901	15.627	-.45850	.26440	.23350
.899	19.964	-.48880	.22860	.18530
	GRADIENT	-.00888	.01590	.01079

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0A145 TABULATED FORCE DATA

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(E2F005) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = .000 ELEVON = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YO AILRON = .000 BOFLAP = .000
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPDGRK = 25.000 RUDDER = .000
SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 44/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.598	-7.203	-.21330	.18000	-.08550
.598	-6.231	-.20930	.16180	-.06670
.598	-5.218	-.20550	.14470	-.04680
.598	-2.114	-.20410	.08960	.00020
.598	-1.068	-.20410	.06680	.02010
.599	-.018	-.20300	.04720	.04100
.598	.519	-.20240	.03750	.05050
.598	1.036	-.19960	.03010	.06210
.598	2.092	-.20460	.01270	.07990
.598	3.132	-.20510	-.00810	.10220
.597	4.165	-.20770	-.02670	.12270
.597	6.232	-.20730	-.06000	.17250
.597	7.247	-.21980	-.08490	.18380
	GRADIENT	-.00051	-.01814	.01945

RUN NO. 36/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.901	-7.264	-.26450	.31060	.00280
.901	-6.285	-.25850	.29390	.02560
.902	-5.279	-.25400	.27570	.05080
.902	-2.147	-.25650	.21370	.11120
.902	-1.084	-.25470	.19270	.13620
.901	-.019	-.26970	.16640	.15660
.900	.533	-.27420	.15410	.16680
.902	1.062	-.28030	.14850	.18080
.901	2.137	-.28920	.13090	.20320
.902	3.192	-.29200	.11530	.23070
.902	4.240	-.31210	.09730	.25200
.903	6.316	-.35250	.06140	.29610
.901	7.349	-.34310	.04280	.31730
	GRADIENT	-.00874	-.01796	.02207

OAI45 TABULATED FORCE DATA

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. X0
 LREF = 474.8100 INCHES YMRP = .0000 IN. Y0
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. Z0
 SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
 AILRON = .000 8DFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 30/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.198	-7.265	-.32880	.49780	.25510
1.202	-6.282	-.30820	.49030	.27000
1.200	-5.274	-.30590	.47110	.27430
1.199	-2.142	-.29060	.41740	.31560
1.199	-1.087	-.29530	.39590	.32970
1.200	-.018	-.28230	.37790	.34950
1.199	.519	-.29400	.37000	.35800
1.199	1.044	-.29390	.36440	.36830
1.198	2.115	-.29440	.34570	.38930
1.198	3.168	-.30030	.32880	.40960
1.197	4.216	-.30470	.30990	.42810
1.195	6.296	-.30840	.28130	.47400
1.197	7.333	-.31070	.26000	.49400
	GRADIENT	-.00184	-.01643	.01811

(E2F006) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 BETA = .000
 AILRON = .000 BDFLAP = .000
 SPOBRK = .000 RUDDER = .000
 RN/L = 5.000

RUN NO.	0/ 0	RN/L = 5.02	GRADIENT INTERVAL = -5.00/ 5.00
MACH		ELEVON	CP240
.597		-35.872	CP13
.598		-30.604	CP12
.597		-25.470	.1470
.598		-20.356	.1420
.600		-15.312	.1430
.598		-10.155	.1430
.598		-5.044	.1430
.598		4.955	.1430
.598		10.017	.1460
.598		14.933	.1520
.598		20.041	.1520
GRADIENT			.14860
			.00064

RUN NO.	0/ 0	RN/L = 5.04	GRADIENT INTERVAL = -5.00/ 5.00
MACH		ELEVON	CP240
.900		-36.129	CP13
.901		-30.609	CP12
.902		-25.467	.23160
.902		-20.350	.23420
.901		-15.304	.23530
.902		-10.153	.23580
.900		-5.049	.23090
.900		4.964	.23400
.899		10.055	.23270
.897		14.975	.23270
.899		20.095	.23480
GRADIENT			.23170
			.23360
			.23540
			.23640
			.00062

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(E2F006) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 BETA = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YO AILRON = .000 BOFLAP = .000
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPDBRK = 25.000 RUDDER = .000
SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 0/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP240	CP12	CP13
1.199	-35.866	-.23770	.40630	.36200
1.200	-30.613	-.24040	.40700	.36180
1.201	-25.462	-.24270	.40740	.36260
1.201	-15.315	-.25230	.40760	.36420
1.200	-10.157	-.27960	.40770	.36480
1.199	-5.043	-.31190	.40680	.36240
1.198	-.025	-.31980	.40620	.36290
1.198	4.965	-.32920	.40780	.36380
1.197	10.083	-.33310	.40540	.36240
1.197	15.021	-.32210	.40610	.36160
1.197	20.125	-.33630	.40690	.36320
	GRADIENT	-.00188	.00032	.00018

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 BETA = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YO AILRON = .000 BOFLAP = .000
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPDBRK = 25.000 RUDDER = .000
SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 46/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP240	CP12	CP13
.598	-5.048	-.23190	.14750	.11610
.598	-3.055	-.22600	.14740	.11730
.598	-2.090	-.22300	.14680	.11960
.598	-.023	-.22740	.14650	.11960
.598	1.877	-.23800	.14450	.11880
.598	2.889	-.24590	.14480	.11790
.598	4.947	-.26940	.14640	.11800
.598	8.074	-.30600	.14420	.12080
.598	10.077	-.33200	.14450	.12020
	GRADIENT	-.00526	-.00023	-.00005

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(E2F007) (06 MAR 80)

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0A145 TABULATED FORCE DATA

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AMES 118-1-11 0A145A 01

(E2F007) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 40/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CP240	CP12	CP13
.900	-5.066	-33520	.23230	.19660
.900	-3.050	-32760	.23320	.19840
.902	-2.085	-33780	.23460	.19810
.900	-.029	-30810	.23470	.19970
.899	1.874	-32130	.23000	.19730
.901	2.892	-32190	.23490	.20190
.900	4.937	-33950	.23310	.20040
.899	8.084	-38100	.22970	.19900
.900	10.076	-37850	.23310	.20250
	GRADIENT	-30036	-30012	.00031

RUN NO. 32/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CP240	CP12	CP13
1.199	-5.088	-31270	.40730	.36220
1.197	-3.085	-31390	.40700	.36180
1.198	-2.102	-31480	.40690	.36280
1.199	-.011	-32310	.40710	.36230
1.198	1.877	-32740	.40690	.36340
1.198	2.889	-32480	.40640	.36320
1.198	4.920	-32230	.40690	.36470
1.196	8.084	-32080	.40440	.36380
1.198	10.078	-31480	.40520	.36310
	GRADIENT	-300137	-300003	.00029

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
SPOBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 47/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BOFLAP	CP240	CP12	CP13
.598	-11.751	-24360	.14610	.11890
.598	-8.030	-23630	.14790	.11980
.598	-5.990	-23060	.14690	.12170
.598	-3.980	-22680	.14950	.12320
.598	-2.010	-22940	.14700	.11860
.598	.000	-22380	.14900	.12120
.598	1.970	-22930	.14860	.11810
.598	3.980	-22730	.14680	.11930
.598	5.990	-22720	.14540	.12020
.598	8.010	-22880	.14390	.11750
.598	12.050	-22880	.14450	.12020
.597	16.371	-23210	.14700	.12210
.597	22.566	-24720	.14850	.12210
	GRADIENT	-.00004	-.00019	-.00042

RUN NO. 41/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BOFLAP	CP240	CP12	CP13
.900	-11.771	-33890	.23130	.19650
.902	-8.020	-31370	.23340	.20210
.900	-6.000	-31820	.23410	.19980
.902	-4.000	-30720	.23570	.20220
.899	-2.010	-31430	.23290	.19890
.900	.010	-31700	.23190	.19800
.900	1.960	-31840	.23090	.19670
.900	3.970	-30700	.23330	.19960
.899	5.970	-30980	.23180	.19930
.899	7.990	-30720	.23180	.19850
.900	12.040	-30470	.23250	.19980
.900	16.371	-31420	.23400	.19950
.899	22.556	-31910	.23420	.19920
	GRADIENT	-.00018	-.00034	-.00037

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

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AMES 118-1-11 0A145A 01

(E2F008) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 5.000
ELEVON = .000
SPDBRK = 25.000
RUDDER = 5.000
BETA = .000
AILRON = .000
RNU/L = .000

RUN NO. 33/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CP240	CP12	CP13
1.199	-11.761	-.31950	.40720	.36300
1.199	-8.020	-.31960	.40770	.36270
1.198	-6.000	-.31750	.40690	.36340
1.198	-4.010	-.32040	.40570	.36270
1.199	-2.010	-.31870	.40720	.36330
1.198	-.010	-.31930	.40650	.36290
1.199	1.940	-.31840	.40810	.36370
1.200	3.960	-.31930	.40920	.36410
1.199	5.970	-.31900	.40870	.36430
1.199	8.000	-.31980	.40990	.36600
1.198	12.030	-.32870	.40750	.36240
1.199	16.351	-.33670	.40810	.36420
1.199	22.353	-.34760	.40840	.36390
	GRADIENT	.00013	.00040	.00016

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 5.000
ELEVON = .000
BDFLAP = .000
SPDBRK = 25.000
BETA = .000
AILRON = .000
RNU/L = .000

RUN NO. 48/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
.598	-8.267	-.23000	.14480	.11960
.598	-4.130	-.23190	.14710	.11630
.598	-2.071	-.22690	.14580	.12000
.598	-.025	-.22670	.14770	.12080
.598	2.107	-.22830	.14460	.11940
.598	4.111	-.23140	.14410	.11650
.598	8.360	-.22730	.15020	.12120
	GRADIENT	-.00002	-.00035	-.00001

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

PAGE 1630

AMES 118-1-11 0A145A 01

(E2F009) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1075.6800 IN. XO ALPHA = 5.000 BETA = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELEVON = .000 AILRON = .000
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO BDFLAP = .000 SPDBRK = 25.000
SCALE = .0500 RN/L =

PARAMETRIC DATA

RUN NO. 42/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
.901	-8.267	-31170	.23520	.20170
.901	-4.138	-31050	.23590	.20220
.900	-2.089	-31770	.23290	.19970
.902	.008	-31690	.23300	.19940
.901	2.132	-31720	.23420	.20040
.901	4.111	-31270	.23520	.20210
.901	8.394	-31470	.23270	.20020
	GRADIENT	-.00019	-.00001	.00002

RUN NO. 34/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
1.199	-12.488	-32400	.40840	.36370
1.199	-8.259	-32180	.40790	.36300
1.200	-4.121	-31640	.40950	.36580
1.198	-2.071	-31890	.40720	.36350
1.198	.008	-31990	.40720	.36230
1.200	2.090	-31990	.40740	.36310
1.199	4.111	-31930	.40780	.36310
1.200	8.368	-32070	.40850	.36470
	GRADIENT	-.00033	-.00016	-.00028

OAI45 TABULATED FORCE DATA
AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 50/ 0 RN/L = 4.87 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
4.397	.593	-22310	-22550	-22280	-22310	-23630	-23630	-24720	-25530	.17960	.15480
4.436	.651	-21150	-21690	-21150	-21300	-23120	-23120	-24220	-25340	.18370	.16000
4.468	.700	-21980	-21870	-21610	-21490	-23990	-23990	-24880	-25880	.18370	.15830
4.502	.747	-21780	-21330	-21090	-21290	-23910	-23910	-25190	-26010	.19410	.16560
4.538	.796	-21240	-21520	-21720	-21070	-24870	-24870	-25850	-26630	.20040	.17080
4.575	.868	-21130	-20990	-21130	-21530	-27000	-27000	-28150	-29030	.21790	.19960
4.787	.900	-22210	-22710	-23080	-22560	-31620	-31620	-33670	-34270	.23240	.21390
4.820	.921	-22860	-22840	-22750	-22720	-34050	-34050	-35030	-35630	.24650	.22610
4.846	.935	-24310	-24510	-24310	-23790	-34390	-34390	-34080	-35400	.25260	.23140
4.875	.953	-24720	-25080	-24950	-24800	-34310	-34310	-34460	-35460	.26650	.24480
4.797	.971	-25130	-25370	-25660	-25190	-34170	-34170	-34880	-35000	.28390	.26110
4.889	.987	-26240	-24960	-24790	-26100	-32780	-32780	-33820	-34400	.30100	.27810
4.716	1.003	-27770	-26100	-27760	-26100	-33210	-33210	-33180	-34250	.31670	.29410
4.722	1.012	-28080	-28390	-28500	-28310	-32750	-32750	-32770	-33590	.32420	.30160
4.909	1.032	-28880	-29000	-29080	-29370	-32260	-32260	-32940	-33200	.33480	.31150
4.919	1.042	-30060	-29910	-30320	-30320	-31890	-31890	-32600	-33200	.34730	.32420
4.935	1.055	-30550	-30280	-30000	-30780	-31710	-31710	-32600	-33120	.35730	.33480
4.959	1.109	-31200	-31470	-31240	-31390	-34610	-34610	-34710	-32540	.37060	.34850
4.973	1.146	-32430	-32360	-32400	-32200	-33750	-33750	-34140	-34970	.40230	.37600
4.963	1.196	-30600	-30600	-30590	-30620	-31970	-31970	-32370	-34450	.40180	.36900
4.962	1.203	-29850	-29950	-29810	-29870	-31870	-31870	-32030	-32810	.41250	.37190
4.953	1.295	-30000	-30140	-29760	-29850	-32090	-32090	-32310	-32100	.41910	.37770
4.926	1.348	-30840	-31230	-30740	-30820	-32410	-32410	-32630	-32600	.44110	.39700
4.582	1.404	-30580	-30580	-30630	-30580	-31700	-31700	-31850	-32000	.45750	.42120
	GRADIENT	-16208	-16158	-16212	-16416	-12870	-12870	-11363	-10115	.44161	.42790

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

PAGE 1632

AMES 118-1-11 OAI45A 01

(E2F011) (18 MAY 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BOFLAP = .000
SPDRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 52/ 0 RN/L = 4.83 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
14.971	.590	-23490	-23760	-23980	-23610	-30950	-30950	-32380	-33350	.19280	.16720
14.630	.647	-24330	-24950	-24560	-24350	-32750	-32750	-34120	-33490	.19470	.16700
14.742	.700	-24670	-24650	-24860	-24970	-34760	-34760	-35800	-31340	.20500	.17360
14.829	.740	-25960	-25370	-26410	-26200	-37760	-37760	-37510	-33700	.20920	.17860
14.976	.812	-27310	-27100	-27470	-27490	-41060	-41060	-39390	-38180	.23440	.19920
14.828	.881	-28330	-28730	-28730	-28260	-42360	-42360	-41640	-40470	.26990	.23260
14.855	.894	-28950	-28040	-28120	-28860	-42830	-42830	-42620	-40550	.27230	.23460
14.891	.909	-28710	-28330	-28640	-28380	-43190	-43190	-43180	-40710	.28210	.24170
15.039	.956	-30660	-30650	-31070	-31040	-44630	-44630	-44090	-41420	.31110	.26870
15.082	.969	-31220	-30420	-30190	-30650	-45060	-45060	-45450	-43750	.32340	.27840
15.054	.987	-30650	-31000	-31280	-31420	-45800	-45800	-45460	-43190	.33670	.29240
15.088	1.000	-31660	-32050	-32270	-31890	-44880	-44880	-43620	-43770	.34770	.30490
15.115	1.013	-32200	-32050	-33270	-33300	-45120	-45120	-45680	-44120	.35720	.31470
15.093	1.033	-33850	-33850	-33390	-34000	-45210	-45210	-44990	-45800	.36510	.32080
15.074	1.043	-34880	-35220	-34820	-35680	-45650	-45650	-45340	-46100	.37690	.33330
15.167	1.052	-35930	-35360	-36130	-36250	-45110	-45110	-44500	-45070	.39310	.34900
15.274	1.103	-37140	-36600	-36490	-36340	-44350	-44350	-45070	-45630	.40210	.35860
15.243	1.152	-37550	-36070	-35870	-37200	-42500	-42500	-42620	-42580	.42070	.37300
15.222	1.203	-32290	-32460	-32730	-32930	-39010	-39010	-39100	-39260	.43120	.37300
15.204	1.249	-32310	-32260	-32360	-32500	-34840	-34840	-34890	-35220	.45540	.38920
15.162	1.298	-34920	-34950	-34600	-35130	-36210	-36210	-36520	-35540	.46450	.39420
14.803	1.353	-34350	-34440	-34480	-34670	-35180	-35180	-35430	-35140	.49660	.43040
	1.397	-33750	-33980	-33900	-33970	-34270	-34270	-34340	-34520	.51030	.45200
	GRADIENT	-15603	-15749	-15347	-15924	-100348	-100348	.00242	-03098	.46901	.42179

DATE 10 MAR 80

OAI145 TABULATED FORCE DATA

PAGE 1634

AMES 118-1-11 OAI145A 01

(E2F012) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 89/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.898	-9.783	-25870	-25580	-25670	-25860	-36360	-36360	-36920	-37380	-	.00290
.899	-4.883	-23670	-23600	-23340	-24060	-25910	-25910	-26300	-27640	.08330	.08940
.901	.126	-22320	-22250	-22110	-22340	-26990	-26990	-27950	-28580	.17520	.16680
.899	3.192	-22230	-21980	-22030	-21890	-29540	-29540	-30960	-31720	.21660	.19990
.900	5.186	-22620	-22220	-22210	-22700	-33490	-33490	-33660	-33450	.24900	.21810
.899	5.659	-23180	-22590	-22090	-22670	-32870	-32870	-32870	-34530	.25170	.22290
.899	6.208	-23420	-23150	-23440	-23180	-33890	-33890	-35110	-34460	.25380	.22330
.899	7.239	-23500	-24080	-24360	-23240	-35060	-35060	-36370	-36050	.26370	.23080
.898	8.294	-24010	-23720	-23890	-23300	-36140	-36140	-36490	-37320	.26910	.23530
.900	9.292	-23730	-24800	-24220	-24270	-37640	-37640	-37830	-36980	.27430	.23650
.898	10.337	-24990	-24690	-24240	-24580	-38340	-38340	-38340	-38650	.27620	.23850
.899	11.371	-24490	-24560	-25290	-25610	-38960	-38960	-40720	-40180	.28130	.24430
.899	12.386	-26780	-25960	-25680	-26080	-40410	-40410	-41590	-41060	.28410	.24620
.899	13.404	-27050	-27390	-27580	-27630	-43630	-43630	-44180	-44880	.28130	.24040
.899	15.471	-30180	-30150	-30330	-29570	-47060	-47060	-48270	-48510	.27720	.23580
.899	20.394	-33440	-33300	-33830	-34550	-49610	-49610	-50590	-50360	.24030	.20080
.897	GRADIENT	.00187	.00207	.00170	.00276	-.00427	-.00427	-.00553	-.00474	.01669	.01386

RUN NO. 62/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.949	-9.896	-27010	-27090	-27040	-26890	-37520	-37520	-38510	-38710	.02780	.05510
.950	-4.974	-25530	-25670	-26120	-25770	-39250	-39250	-40040	-41120	.12980	.13140
.950	.010	-25800	-25890	-25650	-25820	-37750	-37750	-38580	-39300	.20970	.19340
.950	2.568	-26150	-25900	-25910	-26060	-38610	-38610	-39530	-39960	.23900	.21700
.950	5.109	-26280	-25010	-25290	-25270	-36040	-36040	-36270	-37500	.27200	.23530
.950	6.115	-24890	-24810	-24620	-24960	-36450	-36450	-36620	-37230	.28170	.24550
.949	7.146	-24490	-24730	-24410	-24630	-37340	-37340	-37210	-37950	.28940	.24950
.950	8.163	-25740	-25770	-25910	-25960	-39570	-39570	-39010	-39530	.29320	.25290
.950	9.197	-25860	-26210	-25610	-25840	-40460	-40460	-40770	-40840	.30110	.25860
.949	10.225	-27250	-27020	-26970	-26830	-41440	-41440	-41060	-41930	.30470	.25980
.946	11.267	-28510	-28440	-28340	-28660	-43400	-43400	-43450	-44980	.30140	.25660
.948	12.286	-29540	-28970	-29780	-29740	-45340	-45340	-45690	-46280	.30370	.25820
.951	13.315	-29420	-28750	-29000	-29330	-45640	-45640	-45760	-45930	.30670	.25990
.947	15.380	-32980	-32740	-31900	-32860	-48700	-48700	-49790	-50040	.29820	.25420
.949	20.704	-35420	-35260	-36500	-35240	-50450	-50450	-51540	-52690	.26730	.21720
.949	GRADIENT	-.00078	-.00032	.00037	-.00035	.00114	.00114	.00098	.00183	.01469	.01150

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

PAGE 1636

AMES 118-1-11 OAI45A 01

(E2F012) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

BETA =
 AILRON =
 SPOBRK =
 RN/L =

.000 ELEVON = .000
 .000 BDFLAP = .000
 25.000 RUDDER = .000
 5.000

PARAMETRIC DATA

RUN NO. 81/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.203	-5.129	-29090	-29100	-29030	-29100	-29140	-29140	-29870	-30080	-34290	-36210
1.203	-1.120	-29320	-29370	-29230	-29330	-29780	-29780	-30080	-30610	-36890	-37150
1.199	2.435	-30140	-30240	-30130	-30090	-31700	-31700	-32060	-32370	-40460	-37490
1.200	4.961	-31050	-31210	-31320	-31150	-33990	-33990	-34370	-34470	-43070	-38010
1.202	5.966	-31460	-31390	-31560	-31590	-35030	-35030	-35320	-35260	-43550	-38290
1.205	6.979	-31230	-31220	-31000	-30860	-34580	-34580	-34790	-34550	-44250	-38730
1.199	8.033	-31650	-32010	-31650	-31840	-36350	-36350	-36620	-36220	-44330	-38430
1.199	9.019	-32110	-31930	-31880	-32080	-35430	-35430	-35680	-35900	-44620	-38830
1.201	10.127	-31040	-31040	-31180	-31410	-36110	-36110	-35940	-35710	-44310	-39020
1.201	11.526	-31070	-30980	-30910	-30850	-36190	-36190	-35990	-36070	-44880	-39400
1.199	12.115	-31500	-31600	-31930	-31970	-37010	-37010	-36970	-36570	-44710	-38670
1.197	13.515	-32170	-32170	-32500	-32070	-36430	-36430	-36970	-36800	-45520	-39190
1.201	15.293	-33270	-33680	-33730	-33800	-37960	-37960	-37850	-37730	-45480	-39000
1.196	20.297	-35780	-35740	-35800	-35850	-40570	-40570	-40450	-40150	-43690	-37840
	GRADIENT	-00340	-00362	-00411	-00358	-00828	-00828	-00844	-00760	-00822	-00169

RUN NO. 78/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.302	-5.112	-28500	-28390	-28380	-28540	-29370	-29370	-29910	-30530	-36030	-39790
1.303	-1.173	-29160	-29230	-29240	-29120	-30560	-30560	-30850	-30900	-40620	-40620
1.299	2.376	-29690	-29570	-29580	-29870	-32040	-32040	-31970	-32340	-42910	-40730
1.295	4.895	-30730	-30830	-30800	-30680	-34370	-34370	-34480	-34810	-45310	-39940
1.293	6.696	-31560	-31660	-31690	-31730	-35450	-35450	-35810	-35740	-45920	-39960
1.295	7.043	-31830	-31820	-31940	-31960	-35530	-35530	-35760	-35900	-46220	-40060
1.296	8.067	-32340	-32300	-32320	-32560	-36110	-36110	-36330	-36680	-46480	-40300
1.296	9.130	-32540	-32530	-32750	-32750	-36860	-36860	-36790	-36650	-47180	-40420
1.295	10.134	-32990	-33140	-33340	-33240	-37320	-37320	-37420	-37270	-46010	-40040
1.297	11.156	-33960	-33870	-33960	-33970	-38260	-38260	-38120	-38000	-46480	-40460
1.297	12.198	-34890	-34840	-34940	-34880	-38950	-38950	-38650	-38240	-46490	-40320
1.296	13.258	-35250	-35470	-35360	-35420	-38490	-38490	-38480	-38350	-47510	-40500
1.297	15.313	-35750	-35580	-35680	-35740	-38740	-38740	-38840	-38640	-47610	-40940
1.294	20.319	-32770	-32980	-32800	-32910	-36380	-36380	-36390	-36410	-46430	-40980
1.280	GRADIENT	-00310	-00315	-00307	-00308	-00751	-00751	-00716	-00771	-00921	-00134

OAI45 TABULATED FORCE DATA

ANES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 1076.6800 IN. XO

LREF = 474.8100 INCHES YMRP = .0000 IN. YO

BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO

SCALE = .0500

BETA = .000 ELEVON = .000

AIRLON = .000 BOFLAP = .000

SPDBRK = 25.000 RUDDER = .000

RN/L = 5.00

RUN NO. 145/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.397	-9.843	-25850	-25850	-25790	-25900	-26780	-26780	-26520	-26830	.36800	.41250
1.404	-4.796	-28190	-28280	-28160	-28300	-30660	-30660	-30570	-30260	.40250	.43310
1.405	.241	-29280	-29380	-29190	-29210	-31000	-31000	-31990	-31580	.44670	.46040
1.399	2.776	-30460	-30600	-30560	-30450	-31460	-31460	-31810	-31660	.46590	.46310
1.397	5.296	-30960	-31150	-30960	-31170	-31740	-31740	-32120	-32310	.48200	.45910
1.398	6.299	-31310	-31250	-31390	-31440	-32030	-32030	-32350	-32430	.48590	.46070
1.399	7.385	-32060	-32120	-32170	-32240	-32590	-32590	-33160	-33180	.48660	.46280
1.400	8.343	-32110	-32190	-32150	-32250	-32560	-32560	-32940	-33280	.49100	.46700
1.399	9.363	-32410	-32450	-32450	-32480	-32820	-32820	-33240	-33290	.49770	.46370
1.398	10.468	-32940	-33060	-33170	-33140	-33490	-33490	-33880	-33890	.51270	.46400
1.398	11.403	-33280	-33340	-33300	-33350	-33550	-33550	-33950	-33950	.50210	.46430
1.397	12.535	-33900	-33980	-33940	-34020	-33610	-33610	-34180	-34520	.50670	.46670
1.397	13.492	-34040	-34120	-34270	-34230	-33620	-33620	-34320	-34350	.51150	.47250
1.398	GRADIENT	-00284	-00294	-00301	-00269	-00100	-00100	-00180	-00196	.00843	.00417

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 1076.6800 IN. XO

LREF = 474.8100 INCHES YMRP = .0000 IN. YO

BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO

SCALE = .0500

BETA = .000 ELEVON = .000

AIRLON = .000 BOFLAP = .000

SPDBRK = 25.000 RUDDER = .000

RN/L = 3.000

RUN NO. 269/ 0 RN/L = 2.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.595	-5.751	-22340	-.05740	-.07000
.601	-.813	-20380	.07780	.04900
.600	1.702	-21350	.12430	.09130
.598	4.203	-23150	.15070	.11820
.599	6.246	-23310	.17370	.14230
.598	7.246	-24510	.17710	.14360
.598	9.302	-25390	.18780	.15020
.598	11.322	-27290	.18720	.15350
.597	14.403	-31360	.17470	.13640
	GRADIENT	-.00552	.01453	.01380

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(E2F013) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 3.000

RUN NO. 272/ 0 RN/L = 2.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.802	-5.768	-.24180	.00830	-.00090
.806	-.800	-.22920	.13060	.10110
.803	1.723	-.23590	.17100	.13850
.800	4.257	-.25210	.19620	.15940
.797	6.282	-.27210	.21180	.17410
.800	7.276	-.27040	.22430	.18430
.798	9.283	-.28490	.23550	.19580
.797	11.289	-.31750	.23520	.20290
.795	14.249	-.38990	.23040	.18520
	GRADIENT	-.00453	.01297	.01152

RUN NO. 280/ 0 RN/L = 2.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.895	-5.054	-.27730	.09640	.07880
.900	-.025	-.26960	.19000	.15880
.899	2.463	-.27820	.22190	.18800
.897	5.006	-.30330	.24590	.20780
.899	7.018	-.31300	.26510	.22160
.897	8.038	-.32510	.26750	.22610
.897	10.083	-.33960	.27730	.23360
.897	12.144	-.36510	.28310	.24050
.897	15.233	-.40990	.27680	.22860
	GRADIENT	-.00346	.01282	.01174

RUN NO. 276/ 0 RN/L = 3.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.950	-5.029	-.40170	.14670	.13120
.952	-.040	-.36580	.22440	.19260
.947	2.498	-.36420	.25430	.21890
.947	5.006	-.35320	.27770	.23950
.947	7.039	-.35880	.29130	.24880
.947	8.067	-.36520	.29590	.25340
.949	10.114	-.34780	.30860	.26510
.949	12.139	-.37990	.31350	.26920
.947	15.217	-.41330	.30630	.26040
	GRADIENT	.00063	.01178	.01036

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(E2F014) (16 JUL 77)

PARAMETRIC DATA

BETA = .000
 AIRLON = .000
 SPDBRK = .000
 RN/L = .000
 ELEVON = .000
 BOFLAP = .000
 RUDDER = .000

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RUN NO.	337/ 0	RN/L =	6.93	GRADIENT INTERVAL =	-5.00/	5.00	CP246	CP12	CP13
		CP225	CP228	CP231	CP234	CP237	CP240		- .21220	.06590	
.597	.222	- .20850	- .20770	- .20770	- .20380	- .20830	- .20830	- .21080	- .23430	.10880	.06590
.597	2.788	- .21280	- .21320	- .21080	- .21440	- .21660	- .21660	- .22400	- .25990	.13910	.10150
.597	5.297	- .21140	- .21140	- .21190	- .21210	- .22570	- .22570	- .23160	- .26920	.14550	.13060
.596	6.268	- .21340	- .21530	- .21490	- .21580	- .23390	- .23390	- .24480	- .28400	.15290	.13520
.597	7.257	- .20940	- .21040	- .20980	- .21160	- .23590	- .23590	- .24750	- .29270	.16160	.14430
.597	8.105	- .21130	- .21030	- .21170	- .20620	- .24230	- .24230	- .26100	- .29680	.16720	.14600
.597	9.075	- .21050	- .20610	- .20810	- .20510	- .24210	- .24210	- .26430	- .30860	.17150	.14970
.596	10.005	- .20940	- .20560	- .20940	- .21130	- .24750	- .24750	- .26950	- .00861	.01633	.15020
											.01387

GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RUN NO.	338/ 0	PN/L = 7.94	GRADIENT INTERVAL = -5.00/ 5.00	CP240	CP243	CP246	CP12	CP13
		CR225	CR228	CR231	CR234	CP237	CP240	CP243	CP246	CP12
		-21640	-21430	-21580	-21820	-22570	-22570	-22540	-23350	.11880
.800	.261	-21930	-21810	-20910	-21410	-23540	-23540	-23440	-25240	.14040
.800	2.652	-21240	-21560	-21430	-21220	-24300	-24300	-26090	-27330	.18210
.799	5.188	-21730	-21360	-21310	-21380	-24770	-24770	-26820	-29120	.18790
.799	6.084	-20930	-20420	-20750	-20510	-26500	-26500	-27630	-29000	.20240
.801	7.145	-21580	-21360	-21460	-20780	-28030	-28030	-28950	-29440	.20580
.803	8.132	-22080	-22090	-21510	-22210	-30090	-30090	-30260	-31350	.20460
.799	9.138	-22510	-22830	-22330	-22190	-30310	-30310	-31890	-31470	.21270
.798	10.141									.01318
										.01151

GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RUN NO.	382/ 0	RN/L =	8.70	GRADIENT INTERVAL = -5.00/ 5.00		CP243	CP246	CP12	CP13										
						CP234	CP237														
.899	.297	CP225	-24560	CP228	-23360	CP231	-23730	CP234	-23360	CP237	-28370	CP240	-28370	CP243	-28450	CP246	-28780	CP12	.15250	CP13	.14830
.898	2.259		-22800		-22690	-22510	-23110		-29590		-29590		-30700		-31780		-31780		.19000		.17730
.898	4.862		-23140		-23000	-22470	-22560		-31040		-31040		-31850		-32440		-32440		.22180		.20080
.899	5.917		-22560		-22860	-22610	-22880		-30830		-30830		-31570		-32010		-32010		.23470		.21300
.896	6.931		-23450		-23410	-23200	-24420		-32420		-32420		-33070		-33180		-33180		.23800		.21630
.899	8.023		-23540		-23410	-23760	-24080		-33000		-33000		-34230		-33780		-33780		.25260		.22660
.899	9.053		-24640		-24520	-24770	-24950		-34340		-34340		-35320		-35680		-35680		.25570		.22900
.899	10.082		-24700		-24510	-24190	-24450		-35700		-35700		-36350		-37180		-37180		.25830		.23010
.899	11.153		-25240		-25180	-25470	-25560		-37060		-37060		-36990		-37170		-37170		.26380		.23030
.898	12.120		-25660		-25540	-25740	-26010		-37730		-37730		-39000		-39720		-39720		.26430		.23330
.898	13.148		-26480		-26170	-26160	-26250		-38790		-38790		-39940		-40950		-40950		.26960		.23560
.900	15.246		-28300		-28810	-28990	-28700		-41490		-41490		-42830		-44230		-44230		.26810		.23040
	GRADIENT		-00274		-00069	-00243	-00155		-00518		-00518		-00658		-00708		-00708		.01343		.01017

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AMES 118-1-11 OAI45A 01

(E2F014) (15 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 9.000

RUN NO. 381 / 0 RN/L = 8.80 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.948	.288	-.26160	-.25900	-.25480	-.26230	-.35780	-.35780	-.36920	-.37910	.19400	.18870
.947	2.281	-.25180	-.26040	-.26090	-.26370	-.36670	-.36670	-.37690	-.38960	.22620	.21290
.947	4.907	-.25020	-.25100	-.24970	-.24850	-.33360	-.33360	-.34430	-.35370	.25570	.23400
.948	5.952	-.24470	-.24520	-.24540	-.24580	-.33520	-.33520	-.34690	-.35520	.26690	.24330
.948	6.981	-.24360	-.24000	-.23700	-.24210	-.34280	-.34280	-.35400	-.35910	.27600	.25160
.949	8.066	-.24410	-.24350	-.24810	-.24670	-.35990	-.35990	-.36800	-.37460	.28330	.25660
.948	9.088	-.24200	-.24370	-.24210	-.24830	-.37920	-.37920	-.38810	-.38660	.28680	.25890
.948	10.087	-.25030	-.25420	-.25390	-.25060	-.36530	-.36530	-.38570	-.38370	.29570	.26410
.948	11.132	-.27410	-.27570	-.26670	-.26530	-.38100	-.38100	-.39400	-.40110	.29800	.26330
.949	12.179	-.27350	-.26580	-.27610	-.27520	-.39430	-.39430	-.41100	-.40970	.29900	.26540
.947	13.176	-.28790	-.28560	-.28570	-.29080	-.41210	-.41210	-.42040	-.42970	.29600	.26010
.949	15.287	-.30300	-.30310	-.29540	-.30270	-.43030	-.43030	-.44340	-.45570	.29890	.25910
	GRADIENT	.00219	.00155	.00099	.00267	.00469	.00469	.00482	.00492	.01187	.00872

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(E2F015) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

BETA =
 AILRON =
 SPOBRK =
 RN/L =

2.000 ELEVON = .000
 .000 BDFLAP = .000
 25.000 RUDDER = .000
 5.000

PARAMETRIC DATA

RUN NO. 172/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.901	-9.864	-25730	-25460	-25600	-25770	-27150	-27150	-23970	-23540	-.02930	.03260
.900	-4.787	-24370	-24250	-23690	-24060	-26700	-26700	-24750	-25600	.06530	.13530
.901	.250	-23960	-24100	-23400	-23950	-28890	-28890	-27020	-27830	.14540	.22230
.899	2.873	-23950	-23980	-24180	-23440	-31200	-31200	-31340	-30770	.17200	.25170
.900	5.519	-23110	-23460	-23780	-23700	-32940	-32940	-29660	-29710	.20010	.28030
.899	6.559	-23440	-23440	-23460	-24440	-31910	-31910	-27940	-27470	.21500	.28830
.900	7.586	-23700	-23780	-23780	-23610	-32950	-32950	-29320	-30470	.22000	.29920
.900	8.564	-23920	-23600	-23610	-24220	-33700	-33700	-32180	-33570	.21870	.30760
.900	9.608	-24520	-24320	-23920	-24790	-34610	-34610	-33220	-32280	.22300	.31370
.899	10.632	-25250	-25180	-24960	-25500	-36450	-36450	-31480	-28740	.21880	.31030
.899	11.631	-25420	-25830	-25810	-25620	-37250	-37250	-31700	-30110	.22550	.31460
.899	12.666	-26370	-26370	-26690	-26760	-39980	-39980	-35190	-31360	.22220	.31510
.900	13.662	-26860	-27250	-28030	-28470	-39330	-39330	-35670	-32610	.22260	.32020
.900	15.729	-29060	-30260	-30240	-29670	-42150	-42150	-37280	-39560	.20670	.31350
.899	20.607	-32550	-31700	-32980	-32830	-43650	-43650	-40150	-36910	.15150	.27900
GRADIENT		.00058	.00035	-.00048	.00073	-.00567	-.00567	-.00806	-.00644	.01419	.01547

RUN NO. 132/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.951	-5.544	-26720	-26640	-26670	-27370	-37520	-37520	-38240	-39280	.09100	.16480
.951	-.107	-25370	-25470	-25700	-25650	-36650	-36650	-36530	-38230	.17220	.25130
.952	2.460	-25330	-25040	-24610	-25270	-37880	-37880	-38600	-38310	.19930	.28030
.950	5.223	-23680	-23880	-24030	-23980	-34570	-34570	-34330	-35330	.22090	.30490
.951	6.190	-23200	-23560	-22930	-23440	-33390	-33390	-34910	-34860	.23370	.31830
.950	7.175	-24340	-24290	-23620	-23870	-35740	-35740	-36660	-36960	.23710	.32180
.949	8.122	-24540	-24010	-24390	-24210	-36760	-36760	-36880	-37850	.24380	.32810
.950	9.166	-25130	-24830	-24560	-24580	-37050	-37050	-38120	-36720	.24830	.33720
.946	10.146	-26870	-26320	-26790	-25970	-39730	-39730	-40210	-40990	.24370	.33030
.947	11.208	-26590	-26810	-26700	-26880	-41580	-41580	-41580	-41150	.25130	.33400
.948	12.203	-27850	-27190	-27540	-27900	-42010	-42010	-41960	-42700	.25350	.33890
.946	13.207	-28890	-28820	-28800	-29650	-43650	-43650	-44530	-44350	.24970	.33620
.946	15.282	-31040	-28170	-31290	-31820	-46310	-46310	-46390	-47280	.24260	.33540
.947	20.288	-33990	-33690	-34980	-35230	-47010	-47010	-48380	-47890	.20540	.31080
GRADIENT		.00016	.00168	.00425	.00148	-.00475	-.00475	-.00806	-.00031	.01056	.01130

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OAI45 TABULATED FORCE DATA

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(E2F015) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

BETA =
 AILRON =
 SPDBRK =
 RN/L =

ELEVON = .000
 BDFLAP = .000
 RUDDER = .000

PARAMETRIC DATA

RUN NO. 56/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.200	-11.058	-28450	-28350	-28210	-28300	-28980	-28980	-29690	-30120	-27340	-33040
1.203	-5.670	-28340	-28280	-28310	-28250	-28740	-28740	-29380	-29700	-30820	-38520
1.202	.048	-28340	-28410	-28530	-28530	-28990	-28990	-29440	-29990	-35050	-40840
1.199	2.866	-29760	-29660	-29690	-29730	-31890	-31890	-32290	-32930	-35970	-41880
1.201	5.812	-30720	-30820	-30860	-31010	-34190	-34190	-34340	-34310	-37860	-42670
1.201	6.992	-30840	-30780	-30810	-30840	-34220	-34220	-34670	-34220	-38030	-42960
1.200	8.163	-31040	-31040	-31220	-31310	-35240	-35240	-34910	-35240	-38250	-43280
1.198	9.315	-31250	-31340	-31480	-31420	-35600	-35600	-35800	-36400	-38870	-43800
1.198	10.472	-30660	-31280	-31300	-31340	-36000	-36000	-35720	-36130	-38510	-43860
1.198	11.618	-31190	-31110	-31130	-31120	-36750	-36750	-36670	-37040	-39440	-44460
1.200	12.761	-30480	-30720	-30550	-30750	-36260	-36260	-36390	-36680	-39390	-44460
1.198	13.896	-31090	-31380	-31550	-31480	-37050	-37050	-37050	-37230	-39390	-44320
1.196	15.024	-32670	-32600	-32640	-32760	-37840	-37840	-37950	-37900	-37930	-44080
1.192	17.262	-34860	-34770	-34840	-34840	-40370	-40370	-40540	-40880	-37930	-44080
1.192	20.910	-35950	-36110	-36080	-36170	-40370	-40370	-41630	-41490	-36660	-43610
	GRADIENT	-00504	-00444	-00412	-00426	-01029	-01029	-01011	-01043	-00326	-00369

RUN NO. 55/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.295	-10.587	-26020	-26250	-26120	-26150	-26300	-26300	-26700	-26970	-32690	-38860
1.302	-5.627	-27650	-27730	-27750	-27970	-28340	-28340	-28700	-29350	-34390	-41760
1.302	-.270	-28360	-28230	-28330	-28390	-29430	-29430	-29380	-29740	-36910	-43420
1.299	.033	-28320	-28660	-28590	-28480	-29690	-29690	-29940	-30140	-37110	-43190
1.298	2.532	-29350	-29530	-29560	-29490	-31280	-31280	-31430	-31860	-38970	-43450
1.295	5.468	-30810	-30700	-30880	-30780	-34330	-34330	-34330	-34660	-40470	-43310
1.296	6.642	-31580	-31200	-31540	-31250	-35280	-35280	-35320	-35700	-40880	-43460
1.298	7.815	-31630	-31860	-31960	-31850	-35790	-35790	-36070	-36500	-41310	-43670
1.297	8.974	-32130	-32370	-32370	-32460	-36200	-36200	-36260	-36510	-42190	-43640
1.295	10.118	-32830	-32860	-32860	-32930	-36830	-36830	-36800	-37230	-41280	-43670
1.294	11.267	-33470	-33470	-33470	-33900	-37380	-37380	-37460	-37960	-41450	-44170
1.294	12.431	-34190	-34340	-34300	-34190	-37660	-37660	-37760	-38030	-41740	-44530
1.294	13.586	-34460	-34370	-34460	-34570	-37300	-37300	-37470	-37660	-42440	-44810
1.294	14.674	-34750	-34750	-34650	-34680	-37730	-37730	-37900	-37860	-42420	-45070
1.294	16.895	-33560	-33870	-34170	-33950	-37290	-37290	-37460	-37460	-41850	-45570
1.290	20.825	-32240	-32300	-32260	-32410	-35840	-35840	-35900	-36030	-40840	-46130
1.284	GRADIENT	-00376	-00419	-00419	-00397	-00651	-00651	-00679	-00730	-00739	-00047

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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(E2F015) (16 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

BETA =
AILRON =
SPDBRK =
RN/L =

2.000 ELEVON =
.000 BDFLAP =
25.000 RUDDER =
5.000

.000
.000
.000

RUN NO. 146/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.401	-5.029	-27660	-27580	-27660	-27670	-28710	-28710	-29800	-29680	.36320	.47290
1.402	.218	-29520	-29540	-29410	-29440	-30170	-30170	-31140	-30900	.42110	.48210
1.401	2.828	-30010	-30090	-30030	-29850	-30530	-30530	-31440	-31180	.43390	.48440
1.403	5.476	-30670	-30650	-30710	-30700	-31590	-31590	-31660	-31670	.45650	.47550
1.403	6.498	-30870	-31020	-30980	-31020	-31670	-31670	-32260	-32130	.46150	.47580
1.402	7.566	-31610	-31450	-31540	-31530	-31840	-31840	-32110	-32580	.46640	.47920
1.402	8.523	-31770	-31890	-31980	-31860	-32390	-32390	-33050	-32920	.47330	.48110
1.400	9.566	-32050	-32170	-32180	-32360	-32480	-32480	-32800	-33250	.47810	.48550
1.401	10.620	-32600	-32720	-32810	-32870	-33100	-33100	-33550	-33480	.47480	.48530
1.401	11.521	-32760	-32700	-32700	-32910	-33090	-33090	-33640	-33450	.47930	.48630
1.400	GRADIENT	-00188	-00211	-00238	-00157	-00138	-00138	-00115	-00107	.00490	.00098

(E2F016) (06 MAR 80)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

ALPHA =
AILRON =
SPDBRK =
RN/L =

-5.000 ELEVON =
.000 BDFLAP =
25.000 RUDDER =
3.000

.000
.000
.000

RUN NO. 278/ 0 RN/L = 2.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.896	-6.223	-26260	.20990	-.01680
.899	-2.118	-27830	.13020	.04570
.899	-1.069	-27130	.11560	.06700
.899	.067	-27760	.09670	.08070
.897	.492	-27890	.09030	.08700
.897	1.009	-28430	.08210	.09520
.896	2.048	-29180	.06730	.11380
.896	3.080	-29030	.05460	.13640
.895	4.111	-30360	.03440	.15060
.895	6.171	-28200	.00710	.18890
.895	GRADIENT	-00447	-.01514	.01683

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OAIW5 TABULATED FORCE DATA

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(E2F016) (06 MAR 80)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = -5.000 ELEVON = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO AILRON = .000 BDFLAP = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPDBRK = 25.000 RUDDER = .000
 SCALE = .0500 RN/L = 5.00

RUN NO. 277/ 0 RN/L = 2.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.952	-6.230	-.36100	.25230	.03660
.952	-2.128	-.39360	.18090	.10290
.950	-1.076	-.39750	.16210	.11820
.951	-.024	-.39460	.14730	.13230
.952	.495	-.39190	.13830	.13980
.951	1.009	-.39140	.13270	.14850
.948	2.050	-.39710	.11510	.16020
.948	3.079	-.39860	.09570	.17580
.950	4.131	-.40130	.08690	.19890
.949	6.175	-.40340	.05270	.22730
	GRADIENT	-.00101	-.01531	.01479

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = .000 ELEVON = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO AILRON = .000 BDFLAP = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPDBRK = 25.000 RUDDER = .000
 SCALE = .0500 RN/L = 5.00

RUN NO. 185/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.597	-6.196	-.20710	.20690	-.04190
.599	-2.146	-.21220	.12060	.02780
.600	-1.090	-.20660	.10490	.05670
.599	-.004	-.20440	.08450	.08030
.599	.542	-.20470	.07460	.08960
.599	1.077	-.20730	.06320	.09930
.599	2.154	-.20940	.04210	.11740
.598	3.204	-.20930	.02330	.14380
.599	4.243	-.21390	-.00030	.16040
.598	6.294	-.21150	-.03730	.21030
	GRADIENT	-.00057	-.01903	.02033

AMES 118-1-11 OAI45A 01

(E2F017) (06 MAR 80)

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

OAI45 TABULATED FORCE DATA

AMES 118-1-11 OAI45A 01

DATE 10 MAR 80

(E2F017) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 113/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.799	-6.207	-.24750	.24540	-.01670
.798	-2.127	-.22330	.16210	.06740
.798	-1.060	-.20470	.14390	.09400
.798	.046	-.20490	.11860	.11810
.798	.582	-.20300	.10940	.12590
.798	1.118	-.21830	.09950	.13650
.799	2.202	-.22360	.07410	.15860
.798	3.260	-.23080	.05310	.18080
.798	4.307	-.23420	.03210	.20500
.796	6.376	-.23990	-.00710	.25090
	GRADIENT	-.00365	-.02049	.02083

RUN NO. 101/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.900	-7.192	-.27480	.31330	.00620
.902	-6.231	-.25970	.30120	.03560
.902	-2.116	-.26800	.21740	.12120
.902	-1.047	-.26840	.19640	.14620
.902	.014	-.27190	.17020	.16650
.902	.588	-.27310	.16530	.18270
.901	1.124	-.28640	.15360	.19010
.900	2.209	-.29050	.13190	.21270
.902	3.266	-.30580	.10920	.23650
.900	4.314	-.31030	.08630	.25910
.899	6.386	-.35840	.04550	.30080
.899	7.418	-.34880	.02860	.32570
	GRADIENT	-.00744	-.02016	.02122

OAI45 TABULATED FORCE DATA

AMES 118-1-11 OAI45A 01

(E2F017) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO

LREF = 474.8100 INCHES YMRP = .0000 IN. YO

BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO

SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000

AILERON = .000 BDFLAP = .000

SPDRK = 25.000 RUDDER = .000

RN/L = 5.000

RUN NO. 125/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.951	-6.164	-.29260	.32780	.06830
.952	-1.988	-.34180	.25080	.15710
.951	-.913	-.35710	.23400	.18210
.951	.159	-.36220	.21170	.20420
.951	.684	-.36220	.20290	.21690
.951	1.216	-.36850	.19250	.22620
.950	2.285	-.37070	.17000	.24560
.951	3.325	-.37300	.15010	.27010
.951	4.365	-.38060	.12810	.29190
.948	6.402	-.39080	.09040	.33700
	GRADIENT	-.00529	-.01950	.02093

RUN NO. 162/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.200	-6.282	-.32390	.51530	.27850
1.203	-2.166	-.29300	.43960	.33570
1.200	-1.096	-.29560	.41830	.35320
1.201	.014	-.29440	.40220	.37610
1.200	.550	-.29600	.39200	.38460
1.199	1.095	-.29010	.38490	.39920
1.198	2.177	-.29350	.36410	.41890
1.199	3.241	-.30050	.34640	.44140
1.199	4.291	-.30190	.33120	.46290
1.196	6.373	-.31120	.30610	.51330
	GRADIENT	-.00116	-.01678	.01993

RUN NO. 133/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.295	-6.261	-.33330	.51090	.33340
1.301	-2.146	-.30050	.44090	.38060
1.295	-1.074	-.29600	.42210	.38830
1.296	.039	-.29230	.40530	.40480
1.297	.579	-.29110	.39820	.41290
1.298	1.118	-.29230	.39160	.42120
1.296	2.208	-.29080	.37260	.43840
1.297	3.274	-.29350	.35580	.45820
1.297	4.332	-.28920	.34640	.47990
1.295	6.408	-.29500	.32560	.52020
	GRADIENT	.00129	-.01481	.01559

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(E2F017) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 152/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

MACH	BETA	CP240	CP12	CP13
1.398	-6.323	-31340	54320	32870
1.406	-2.187	-30790	47910	42480
1.405	-1.111	-30930	46350	43560
1.404	.008	-30410	45000	45270
1.403	.551	-30730	44270	46140
1.402	1.093	-30790	43310	46670
1.400	2.193	-30900	42320	47860
1.400	3.261	-30970	40570	49570
1.400	4.318	-30660	38370	51680
1.397	6.416	-29810	31790	55310
	GRADIENT	-0.0007	-0.01409	0.01384

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 0/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.597	-6.196	-20290	-20190	-20500	-20310	-20710	-20710	-21130	-21590	.20890	-.04190
.599	-2.146	-20640	-20710	-20780	-20900	-21220	-21220	-21320	-21460	.12060	.02780
.600	-1.090	-20150	-20100	-20530	-20270	-20660	-20660	-20770	-20890	.10490	.05670
.599	-.004	-19980	-20000	-19720	-20000	-20440	-20440	-20720	-20770	.08450	.08030
.599	.542	-20240	-20730	-20570	-20400	-20470	-20470	-20890	-21250	.07460	.08960
.599	1.077	-20140	-20070	-20540	-20450	-20730	-20730	-20850	-21010	.06320	.09930
.599	2.154	-20500	-20420	-20420	-20140	-20940	-20940	-21030	-21340	.04210	.11740
.598	3.204	-20520	-20350	-20440	-20420	-20930	-20930	-20880	-21380	.02330	.14380
.599	4.243	-21280	-21400	-21070	-21090	-20930	-21390	-21510	-22080	-.00030	.16040
.598	6.294	-21540	-21650	-21250	-21390	-21150	-21150	-21480	-21500	-.03730	.21030
	GRADIENT	-.00108	-.00094	-.00045	-.00034	-.00057	-.00057	-.00037	-.00113	-.01903	.02033

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

PAGE 1649

(E2FY17) (24 AUG 78)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = .000 ELEVON = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO AILRON = .000 BOFLAP = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPDBRK = 25.000 RUDDER = .000
 SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 0/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.799	-6.207	-22140	-22030	-21990	-22230	-24750	-24750	-22640	-22190	-24540	-01670
.798	-2.127	-21570	-21480	-21520	-21400	-22330	-22330	-21210	-22500	-16210	-06740
.798	-1.060	-21640	-21360	-21370	-20920	-20470	-20470	-22700	-23050	-14390	-09400
.798	.046	-21510	-21250	-21300	-21510	-20490	-20490	-22700	-23060	-11860	-11810
.798	.582	-21270	-21230	-21910	-21360	-20300	-20300	-22510	-22830	-10940	-12590
.798	1.118	-21340	-21580	-21300	-21740	-21830	-21830	-22930	-23400	-09950	-13650
.799	2.202	-21330	-21390	-21450	-21390	-22360	-22360	-22000	-23430	-07410	-15860
.798	3.260	-22040	-21640	-22300	-21850	-23080	-23080	-22860	-23060	-05310	-18080
.798	4.307	-22230	-22700	-22700	-22610	-23420	-23420	-23210	-23350	-03210	-20500
.796	6.376	-23270	-23840	-23670	-23310	-23990	-23990	-23670	-24110	-00710	-25090
GRADIENT		-00091	-00148	-00179	-00180	-00365	-00365	-00139	-00101	-02049	-02083

RUN NO. 0/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.951	-6.164	-26280	-26250	-26330	-26070	-29260	-29260	-27350	-30930	-32780	-06830
.952	-1.988	-24700	-24730	-24620	-24520	-34180	-34180	-34960	-36010	-25080	-15710
.951	.913	-25880	-25640	-25640	-26040	-35710	-35710	-36320	-37390	-23400	-18210
.951	.159	-25320	-25450	-25580	-25280	-36220	-36220	-36910	-37590	-21170	-20420
.951	.684	-26020	-26020	-26010	-25660	-36220	-36220	-37270	-38130	-20290	-21690
.951	1.216	-25740	-26390	-26020	-25830	-36850	-36850	-37460	-38020	-19250	-22620
.950	2.285	-26160	-25640	-25460	-25530	-37070	-37070	-37970	-38210	-17000	-24560
.951	3.325	-26350	-25780	-26110	-26520	-37300	-37300	-38480	-38510	-15010	-27010
.951	4.365	-26870	-27510	-26970	-27280	-38060	-38060	-38600	-39300	-12810	-29190
.948	6.402	-28680	-28690	-29140	-29140	-39080	-39080	-39250	-40540	-09040	-33700
GRADIENT		-00275	-00292	-00260	-00320	-00529	-00529	-00546	-00422	-01950	-02093

RUN NO. 0/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.295	-6.261	-31340	-31420	-31240	-31310	-33330	-33330	-33460	-33830	-51090	-33340
1.301	-2.146	-28810	-28740	-28760	-28690	-30050	-30050	-30490	-30700	-44090	-38060
1.295	-1.074	-28720	-28730	-28590	-28850	-29600	-29600	-30140	-30500	-42210	-38830
1.296	.039	-28590	-28620	-28660	-28820	-29230	-29230	-29690	-30100	-40530	-40480
1.297	.579	-28810	-28920	-28620	-28740	-29110	-29110	-29620	-29880	-39820	-41290
1.298	1.118	-28440	-28760	-28440	-28490	-29230	-29230	-29270	-29440	-39160	-42120
1.296	2.208	-28710	-28680	-28710	-28920	-29080	-29080	-29410	-29770	-37260	-43840
1.297	3.274	-28940	-29360	-29390	-29420	-29350	-29350	-29580	-30050	-35580	-45820
1.297	4.332	-28990	-29160	-29280	-29370	-29920	-29920	-29230	-29670	-34640	-47990
1.295	6.408	-29300	-29700	-29730	-30030	-29500	-29500	-29910	-30310	-32560	-52020
GRADIENT		-00035	-00083	-00108	-00110	-00129	-00129	-00159	-00140	-01481	-01559

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

AMES 118-1-11 OAI45A 01

(E2FY17) (24 AUG 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 0/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.398	-6.323	-29950	-30010	-30000	-30000	-31340	-31340	-32010	-32030	.54320	.32870
1.405	-2.187	-29410	-29450	-29550	-29550	-30790	-30790	-32020	-31560	.47910	.42480
1.405	-1.111	-29600	-29630	-29680	-29680	-30930	-30930	-31920	-31740	.46350	.43560
1.404	.008	-29610	-29630	-29550	-29650	-30410	-30410	-31830	-31600	.45000	.45270
1.403	.551	-29540	-29490	-29650	-29610	-30730	-30730	-32040	-31930	.44270	.46140
1.402	1.093	-29750	-29660	-29690	-29610	-30790	-30790	-31860	-31960	.43310	.46670
1.400	2.193	-29580	-29700	-29710	-29540	-30900	-30900	-32360	-32380	.42320	.47860
1.400	3.261	-29300	-29390	-29440	-29360	-30970	-30970	-32120	-31700	.40570	.49570
1.400	4.318	-29130	-29220	-29080	-29130	-30660	-30660	-31550	-31490	.38370	.51680
1.397	6.416	-26800	-28850	-28860	-28650	-29810	-29810	-31310	-31680	.31790	.55310
	GRADIENT	.00048	.00039	.00058	.00067	-.00007	-.00007	.00016	-.00015	-.01409	.01384

AMES 118-1-11 OAI45A 01

(E2F018) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 186/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.598	-6.033	-.23250	.30210	-.00740
.599	-1.887	-.23050	.20460	.09320
.598	-.865	-.22910	.18020	.11850
.599	.086	-.23540	.15340	.13870
.599	.559	-.22790	.14580	.15770
.599	1.056	-.23190	.13240	.16750
.599	2.135	-.23290	.10960	.19630
.600	3.191	-.23220	.08570	.22440
.599	4.263	-.23770	.05860	.24570
.599	6.350	-.23600	.00420	.29960
	GRADIENT	-.00096	-.02344	.02535

REFERENCE DATA
 SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 ELEVON = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO ALLRON = .000 BDFLAP = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPOBRK = 25.000 RUDDER = .000
 SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 114/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00
 MACH BETA CP240 CP12 CP13
 .798 -6.048 -.23390 .34170 .02150
 .797 -1.851 -.24190 .23460 .12770
 .799 -.778 -.24020 .21590 .15740
 .798 .076 -.24520 .19420 .17460
 .797 .451 -.24380 .18880 .18540
 .798 .976 -.24160 .17490 .20050
 .799 2.072 -.24220 .14550 .22860
 .798 3.141 -.24500 .12000 .25520
 .798 4.196 -.24690 .09180 .28100
 .798 6.262 -.25650 .04380 .33120
 GRADIENT -.00076 -.02403 .02539

RUN NO. 97/ 0 RN/L = 4.91 GRADIENT INTERVAL = -5.00/ 5.00
 MACH BETA CP240 CP12 CP13
 .901 -7.097 -.32830 .40800 .03400
 .901 -6.090 -.33160 .38950 .06370
 .901 -1.869 -.33950 .29960 .17400
 .901 -.807 -.33420 .27410 .20170
 .900 .076 -.33800 .25140 .22250
 .900 .485 -.35030 .23850 .23420
 .901 .988 -.34860 .22430 .24690
 .899 2.083 -.35600 .19010 .26960
 .903 3.156 -.35200 .17060 .30200
 .898 4.212 -.35600 .14040 .32450
 .901 6.279 -.36200 .09410 .37960
 .902 7.317 -.35570 .07210 .40980
 GRADIENT -.00350 -.02646 .02479

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

AMES 118-1-11 OAI45A 01

(E2F018) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPOBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 432/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.100	-6.205	-35930	.53950	.21510
1.101	-2.066	-35350	.44850	.30720
1.100	-1.019	-34950	.42200	.33360
1.102	.042	-34900	.39880	.35590
1.100	.561	-34580	.38820	.37050
1.100	1.092	-34620	.37340	.37870
1.101	2.139	-34070	.35080	.40630
1.100	3.176	-33830	.33160	.43530
1.101	4.219	-34240	.31100	.45950
1.100	6.313	-34670	.27570	.51780
	GRADIENT	.00217	-.02186	.02421

RUN NO. 163/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.201	-6.143	-32500	.56430	.28060
1.201	-1.971	-31910	.47250	.33920
1.199	-.924	-31510	.44940	.36010
1.200	.136	-31470	.42760	.38560
1.201	.645	-31460	.41900	.39830
1.200	1.181	-31710	.40880	.41080
1.199	2.242	-31780	.38830	.43490
1.200	3.296	-31210	.37210	.46440
1.197	4.341	-31990	.35870	.48640
1.198	6.419	-32150	.33020	.54040
	GRADIENT	-.00001	-.01813	.02373

RUN NO. 134/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.298	-6.125	-34150	.56410	.34000
1.302	-1.969	-33070	.48930	.39960
1.302	-.919	-32710	.47590	.40280
1.301	.133	-32530	.45880	.40910
1.301	.642	-32410	.44840	.41730
1.300	1.209	-31860	.43760	.42850
1.300	2.280	-32160	.41460	.44850
1.300	3.341	-31980	.40090	.46840
1.300	4.389	-31660	.39170	.49260
1.299	6.468	-31060	.36060	.54290
	GRADIENT	.00204	-.01639	.01527

0A145 TABULATED FORCE DATA

DATE 10 MAR 80

(E2FY18) (05 MAR 80)

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 ELEVON = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO AILRON = .000 BDFLAP = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPDBRK = 25.000 RUDDER = .000
 SCALE = .0500

RUN NO. 153/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.399	-6.136	-31590	.59190	.36420
1.405	-1.979	-31780	.50870	.43450
1.404	-.928	-31540	.49860	.44630
1.403	.014	-31590	.49160	.45600
1.402	.578	-31670	.49270	.46240
1.401	1.100	-31590	.48440	.46520
1.401	2.185	-31660	.46670	.47580
1.400	3.270	-31880	.44420	.49560
1.401	4.335	-31140	.42430	.51890
1.399	6.452	-30740	.36800	.56340
	GRADIENT	.00041	-.01333	.01263

PARAMETRIC DATA

AMES 118-1-11 0A145A 01

(E2FY18) (24 AUG 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 ELEVON = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO AILRON = .000 BDFLAP = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPDBRK = 25.000 RUDDER = .000
 SCALE = .0500

RUN NO. 0/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.598	-6.033	-21270	-21310	-21530	-21310	-23250	-23250	-24100	-25720	.30210	-.00740
.599	-1.887	-20600	-20220	-20320	-20170	-23050	-23050	-23980	-25830	.20460	.09320
.598	-.865	-20240	-19980	-20480	-20340	-22910	-22910	-24070	-25590	.18020	.11850
.599	.086	-20610	-20470	-20540	-20850	-23540	-23540	-24430	-26140	.15340	.13870
.599	.559	-20570	-20460	-20410	-20530	-22790	-22790	-24300	-25930	.14580	.15770
.599	1.066	-19960	-20080	-19670	-20100	-23190	-23190	-23830	-25370	.13240	.16750
.599	2.135	-20270	-20250	-20550	-20340	-23290	-23290	-24050	-25870	.10960	.19630
.599	3.191	-20780	-20290	-20640	-20380	-23220	-23220	-23980	-26200	.08570	.24440
.599	4.263	-21490	-21160	-21320	-21840	-23770	-23770	-24690	-26940	.05860	.24570
.599	6.350	-21600	-21980	-21290	-21390	-23600	-23600	-25000	-27200	.00420	.29960
	GRADIENT	-.00121	-.00111	-.00120	-.00162	-.00096	-.00096	-.00053	-.00152	-.02344	.02535

PARAMETRIC DATA

DATE 10 MAR 80
OAI45 TABULATED FORCE DATA
AMES 118-1-11 OAI45A 01

(EEFY18) (24 AUG 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA =
AILRON =
SPDBRK =
RN/L =

5.000
.000
25.000
5.000

ELEVON =
BOFLAP =
RUDDER =

.000
.000
.000

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.798	-6.048	-21840	-22100	-22120	-22050	-23390	-23390	-24770	-26140	-34170	-26150
.797	-1.851	-21350	-21060	-21020	-20780	-24190	-24190	-25060	-26650	-23460	-12770
.799	-.778	-20180	-20560	-20670	-20560	-24020	-24020	-25400	-26300	-21590	-15740
.798	.076	-20810	-21330	-20910	-20740	-24520	-24520	-25540	-26260	-19420	-17460
.797	.451	-21410	-21450	-21660	-21410	-24380	-24380	-25720	-27250	-18880	-18540
.798	.976	-21010	-20610	-21440	-20930	-24160	-24160	-25310	-26250	-17490	-20050
.799	2.072	-21010	-21410	-20970	-21390	-24220	-24220	-25930	-27420	-14553	-22860
.798	3.141	-21460	-21330	-21590	-21650	-24500	-24500	-25560	-27450	-12000	-25520
.798	4.196	-36820	-14190	.02260	.06690	-24690	-24690	-25890	.00000	.04380	-28100
.798	6.262	-22530	-22210	-22210	-22380	-25650	-25650	-25970	-28420	.04380	-33120
	GRADIENT	.06368	.00715	.02540	.02970	-.00076	-.00076	-.00146	.02856	-.02403	.02539

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.298	-6.125	-31960	-32090	-32090	-32100	-34150	-34150	-34400	-34670	-56410	-34000
1.302	-1.969	-30550	-30750	-30820	-30630	-33070	-33070	-33390	-33640	-48930	-39960
1.302	-.919	-30430	-30310	-30320	-30350	-32710	-32710	-33040	-33500	-40280	-40280
1.301	.133	-30670	-30570	-30730	-30880	-32530	-32530	-32570	-33140	-45880	-40910
1.301	.642	-30530	-30560	-30470	-30530	-32410	-32410	-32690	-33010	-44840	-41730
1.300	1.209	-30350	-30330	-30450	-30350	-31860	-31860	-32270	-33020	-43760	-42850
1.300	2.280	-30670	-30810	-30640	-30850	-32160	-32160	-32550	-32790	-41460	-44850
1.300	3.341	-31330	-31210	-31020	-31210	-31980	-31980	-32430	-32580	-40090	-46840
1.300	4.389	-31160	-30960	-30770	-30730	-31660	-31660	-31920	-32140	-39170	-49260
1.300	6.488	-30640	-30780	-30850	-30840	-31060	-31060	-31670	-32090	-36060	-54290
	GRADIENT	-.00124	-.00091	-.00042	-.00089	.00204	.00204	.00190	.00223	-.01839	.01827

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.399	-6.136	-30690	-30930	-30920	-30810	-31590	-31590	-32100	-32040	-59190	-36420
1.405	-1.979	-30780	-30730	-30790	-30860	-31780	-31780	-32050	-32150	-50870	-43450
1.404	-.928	-30610	-30740	-30740	-30670	-31540	-31540	-31740	-31700	-49860	-44630
1.403	.014	-30610	-30740	-30700	-30660	-31590	-31590	-32000	-32180	-49160	-45600
1.402	.578	-30550	-30610	-30780	-30660	-31670	-31670	-32000	-32070	-49270	-46240
1.401	1.100	-30730	-30750	-30730	-30760	-31590	-31590	-31620	-31760	-48440	-46520
1.401	2.185	-30780	-30900	-30900	-30840	-31660	-31660	-31970	-32610	-46670	-47580
1.400	3.270	-30670	-30630	-30700	-30590	-31880	-31880	-32520	-32520	-44420	-49560
1.401	4.335	-30390	-30680	-30730	-30550	-31140	-31140	-32080	-31730	-44230	-51890
1.399	6.452	-29990	-29750	-30030	-30090	-30740	-30740	-31790	-31630	-36800	-56340
	GRADIENT	.00028	.00005	.00002	.00030	.00041	.00041	.00000	-.00027	-.01333	.01263

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

PAGE 1655

AMES 118-1-11 OAI45A 01(-TO+)

(E2F019) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPDBRK = .25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 179/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.902	-6.095	-23050	-23170	-23560	-23700	-32150	-32150	-30750	-32420	.39130	.06140
.901	-1.888	-22400	-22160	-22470	-22520	-32780	-32780	-32680	-30140	.29170	.17080
.902	-.844	-22360	-22550	-22450	-22470	-33060	-33060	-33210	-33550	.26670	.19540
.900	.042	-23540	-22760	-22450	-22860	-32590	-32590	-33120	-33090	.24360	.21920
.901	.427	-22590	-22210	-22840	-23540	-32600	-32600	-32860	-32600	.23370	.23030
.901	.959	-23320	-22760	-23150	-23080	-33300	-33300	-34220	-33740	.22210	.24200
.901	2.047	-23980	-22930	-23120	-23580	-32480	-32480	-32530	-32800	.20260	.27350
.901	3.126	-23170	-22620	-24230	-23900	-33870	-33870	-32750	-33350	.17710	.29600
.901	4.183	-25000	-24810	-24740	-24950	-34060	-34060	-34620	-33900	.15200	.32560
.901	6.250	-25810	-26550	-26310	-26360	-34860	-34860	-33650	-35530	.09550	.37960
.899	GRADIENT	-00334	-00307	-00398	-00379	-00202	-00202	-00159	-00375	-.02261	.02554

RUN NO. 123/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.951	-6.091	-25810	-25610	-25590	-25560	-32620	-32620	-33310	-33810	.41630	.09370
.951	-4.034	-24770	-24060	-24040	-24370	-33330	-33330	-34190	-34500	.36760	.14650
.951	-3.010	-23970	-23020	-23450	-23640	-32980	-32980	-33540	-34380	.34420	.17400
.950	-1.961	-23630	-23990	-23610	-23530	-33130	-33130	-33930	-34680	.31950	.19860
.951	-.899	-23570	-24150	-23980	-24350	-33790	-33790	-34740	-35370	.29450	.22320
.951	.131	-24310	-24340	-23980	-24340	-34410	-34410	-35300	-35680	.27550	.24930
.951	.654	-24250	-24300	-24580	-24350	-33970	-33970	-34920	-35480	.26630	.26510
.951	1.175	-23580	-24360	-24340	-24660	-34450	-34450	-35150	-35720	.25400	.27760
.951	2.464	-23890	-24170	-23970	-24110	-34660	-34660	-35670	-36470	.22600	.30580
.951	3.326	-24020	-24670	-24090	-24260	-35010	-35010	-35920	-35990	.19840	.33290
.951	4.372	-25560	-25330	-25970	-25510	-36350	-36350	-37130	-36840	.17380	.35590
.951	6.451	-27430	-26760	-28010	-27920	-39230	-39230	-39680	-39780	.12340	.40840
.949	GRADIENT	-00062	-00168	-00172	-00125	-00344	-00344	-00359	-00286	-.02277	.02507

DATE 10 MAR 80
OAI45 TABULATED FORCE DATA
AMES 11E-1-11 OAI45A 01(+TO-)

(EZF020) (16 JUL 77)

PARAMETRIC DATA

ALPHA =
AILRON =
SPDBRK =
RN/L =

5.000 ELEVON = .000
.000 BOFLAP = .000
25.000 RUDDER = .000
5.000

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

RUN NO. 180/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.900	-6.091	-23910	-23580	-23960	-23260	-32510	-32510	-33500	-33920	-39250	.06090
.901	-3.997	-22650	-22650	-22590	-22360	-32920	-32920	-32580	-34250	-34350	.11670
.902	-2.930	-22300	-22510	-22610	-22880	-32250	-32250	-32910	-34780	-32020	.14600
.900	-1.856	-22890	-22980	-22840	-22520	-32800	-32800	-32580	-34300	-29280	.16950
.903	-.796	-22640	-22330	-22830	-22720	-32190	-32190	-33070	-33740	-26790	.20020
.902	.052	-22270	-22460	-22360	-22310	-32580	-32580	-33400	-33380	-24420	.22090
.904	.486	-22060	-22470	-21570	-22270	-32960	-32960	-32650	-32620	-23430	.23280
.901	1.020	-23120	-23440	-23150	-23260	-34040	-34040	-33620	-34310	-22040	.24240
.901	2.102	-24410	-24430	-22380	-23390	-32840	-32840	-32390	-32800	-19820	.27360
.904	3.175	-24110	-24410	-24510	-24310	-33990	-33990	-34720	-34470	-17100	.30060
.901	4.226	-24110	-24130	-24350	-24260	-34680	-34680	-34350	-32840	-15000	.32600
GRADIENT		-00177	-00176	-00148	-00209	-00209	-00209	-00106	-00198	-02361	.02547

RUN NO. 124/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.951	-6.061	-25670	-25840	-25870	-26300	-35530	-35530	-36700	-37810	-41590	.09490
.950	-3.970	-23670	-24250	-24180	-24180	-33070	-33070	-34010	-34010	-36650	.15060
.952	-2.940	-23550	-24330	-24250	-24000	-32510	-32510	-33320	-33990	-34050	.17690
.951	-1.893	-23350	-23540	-23680	-23270	-32340	-32340	-33220	-33750	-31720	.20060
.951	-.891	-23690	-23920	-23740	-23440	-33030	-33030	-33820	-34710	-29470	.22690
.951	.156	-23870	-24150	-23870	-24550	-33810	-33810	-34490	-35100	-27070	.25140
.951	.689	-24030	-24280	-24030	-23880	-33400	-33400	-34740	-35040	-26330	.26520
.951	1.226	-24030	-24130	-24080	-23570	-33970	-33970	-34690	-35270	-25400	.27990
.952	2.307	-23610	-23980	-23490	-23680	-33990	-33990	-34830	-35030	-22440	.30900
.951	3.368	-24570	-24870	-24750	-24340	-34630	-34630	-35300	-35570	-19720	.33610
.951	4.417	-26260	-26500	-26420	-26430	-36430	-36430	-37380	-37920	-17040	.35550
.953	6.448	-27520	-28140	-27650	-27420	-36900	-36900	-38410	-40440	-12590	.40620
GRADIENT		-00228	-00233	-00212	-00134	-00363	-00363	-00374	-00372	-02285	.02487

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OAI45 TABULATED FORCE DATA

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(E2F021) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPOBRK = 25.000 RUDDER = .000
RN/L = 3.000

RUN NO. 270/ 0 RN/L = 2.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.602	-5.994	-.22710	.29880	-.01910
.601	-1.969	-.22740	.20920	.07380
.601	-.962	-.22760	.18090	.09850
.600	.083	-.22880	.15850	.12460
.600	.584	-.22770	.14740	.13780
.601	1.070	-.22710	.13540	.14900
.600	2.072	-.22620	.11490	.17350
.600	3.079	-.22860	.08620	.19760
.600	4.092	-.22970	.06230	.22000
.599	6.136	-.22750	.01680	.27290
	GRADIENT	-.00023	-.02385	.02425

RUN NO. 271/ 0 RN/L = 2.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.802	-5.999	-.24880	.35160	.01570
.801	-1.979	-.25090	.24830	.11060
.802	-.962	-.24700	.22800	.13980
.802	.088	-.25120	.19990	.16370
.802	.607	-.24310	.19090	.18310
.801	1.084	-.24860	.17710	.19140
.801	2.083	-.25420	.14890	.21360
.799	3.094	-.26060	.12450	.23530
.802	4.112	-.25210	.10810	.26680
.799	6.163	-.26410	.05590	.31220
	GRADIENT	-.00131	-.02396	.02491

RUN NO. 279/ 0 RN/L = 2.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.897	-6.030	-.29590	.39860	.05710
.898	-1.885	-.29980	.29470	.15960
.899	-.840	-.29930	.27370	.18860
.898	.030	-.30120	.24840	.20860
.897	.428	-.30410	.23820	.21840
.895	.936	-.29890	.22820	.23450
.897	2.014	-.30080	.20180	.25980
.898	3.073	-.30590	.17580	.28680
.897	4.110	-.30440	.15130	.31130
.893	6.162	-.31450	.11030	.36630
	GRADIENT	-.00091	-.02415	.02529

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

(E2F021) (06 MAR 80)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 ELEVON = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO AILRON = .000 BDFLAP = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPDBRK = 25.000 RUDDER = .000
 SCALE = .0500 RN/L = 3.000

RUN NO. 281/ 0 RN/L = 3.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH BETA CP240 CP12 CP13
 .947 -6.034 -33020 42450 .09180
 .948 -1.886 -34380 32700 .19260
 .949 -.839 -34800 30250 .21990
 .947 .028 -35030 28110 .24210
 .947 .426 -35690 26730 24830
 .945 .934 -36020 25600 .26000
 .947 2.021 -36790 23230 28820
 .945 3.080 -36770 20610 31510
 .945 4.114 -38190 18480 34010
 .947 6.197 -40030 13680 39050
 GRADIENT -.00614 -.02391 .02444

(E2F022) (16 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 ELEVON = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO AILRON = .000 BDFLAP = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPDBRK = 25.000 RUDDER = .000
 SCALE = .0500 RN/L = 9.000

RUN NO. 336/ 0 RN/L = 6.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH BETA CP225 CP228 CP231 CP234 CP237 CP240 CP243 CP12 CP13
 .597 -6.091 -21670 -21920 -21790 -21870 -22880 -28420 -01540
 .597 -1.921 -21040 -21040 -21100 -20950 -22520 -18460 .08090
 .597 -.853 -20800 -20710 -20880 -20700 -22260 -25480 .10930
 .597 .048 -20740 -21110 -20870 -20870 -22220 -24990 .12770
 .597 .443 -21170 -20830 -20650 -20780 -22480 -25340 .13530
 .597 .987 -21150 -21100 -21260 -21020 -22520 -25850 .14810
 .597 2.081 -21320 -20950 -20900 -20860 -22840 -25910 .17140
 .597 3.141 -21220 -21150 -21140 -21510 -22820 -23090 .19830
 .596 5.220 -22470 -22170 -22050 -22280 -23220 -24330 .24670
 .596 6.258 -21490 -21720 -22120 -22370 -22840 -25950 .27450
 GRADIENT -.00080 -.00036 -.00020 -.00100 -.00102 -.00102 -.00047 -.02353 .02266

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OAI45 TABULATED FORCE DATA

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(E2F022) (16 JUL 77)

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REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 9.000

RUN NO. 339/ 0 RN/L = 7.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.800	-6.290	-22150	-22430	-21780	-22310	-24690	-24690	-25670	-27470	.32890	.01610
.800	-1.966	-20900	-20940	-20720	-20910	-24620	-24620	-25740	-27320	.23240	.11780
.800	-.874	-20960	-20660	-21250	-21030	-24380	-24380	-25520	-27780	.20290	.14520
.800	.044	-20840	-21200	-20910	-20920	-24110	-24110	-24630	-26840	.17670	.16580
.800	.456	-21520	-20860	-21180	-21390	-24190	-24190	-25270	-27360	.17230	.17550
.799	1.021	-21750	-21850	-21530	-21580	-24600	-24600	-25940	-27200	.15990	.18650
.799	2.132	-21440	-21600	-21790	-21680	-24080	-24080	-26080	-27510	.13420	.21700
.799	3.204	-21770	-21690	-22000	-21740	-24950	-24950	-26380	-28620	.10320	.23850
.799	4.263	-22180	-21500	-22380	-21810	-25340	-25340	-26550	-28520	.08110	.26330
.798	6.380	-22760	-23080	-23310	-23260	-25920	-25920	-26590	-28330	.03070	.31640
	GRADIENT	-.00204	-.00148	-.00258	-.00166	-.00121	-.00121	-.00204	-.00214	-.02406	.02331

RUN NO. 383/ 0 RN/L = 8.70 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.901	-6.290	-23720	-23430	-23420	-23400	-30200	-30200	-29960	-30730	.37720	.04560
.900	-2.099	-21660	-22630	-22230	-22460	-30030	-30030	-29990	-30480	.27980	.14940
.899	-1.041	-22590	-22460	-22240	-22240	-29930	-29930	-30990	-31280	.25500	.17700
.899	.024	-22350	-22250	-22940	-22510	-31340	-31340	-31410	-32010	.26650	.20140
.900	.679	-23130	-22530	-23340	-22880	-31890	-31890	-32360	-33180	.21770	.23770
.898	1.217	-22430	-22320	-23140	-22800	-31560	-31560	-32680	-33020	.20250	.23310
.899	2.240	-24040	-23230	-23610	-23660	-31910	-31910	-33030	-33630	.18100	.25910
.897	3.292	-25060	-25080	-24350	-25150	-33020	-33020	-34870	-34040	.14790	.28120
.898	4.360	-25540	-24530	-25200	-24630	-33570	-33570	-35470	-35470	.13130	.30890
.897	6.503	-27170	-26870	-26450	-27240	-35720	-35720	-35470	-36340	.07860	.36220
	GRADIENT	-.00601	-.00402	-.00453	-.00451	-.00567	-.00567	-.00659	-.00723	-.02329	.02462

RUN NO. 341/ 0 RN/L = 8.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.954	-6.299	-26130	-25980	-26300	-25710	-32100	-32100	-33100	-33700	.40850	.08920
.952	-2.041	-22960	-23320	-23190	-23380	-31480	-31480	-32330	-33080	.30990	.18980
.952	-.951	-24420	-23790	-23890	-24310	-32190	-32190	-33060	-33370	.28360	.21510
.952	.155	-24610	-24430	-24320	-24800	-32120	-32120	-32880	-34460	.26030	.24460
.953	.669	-24010	-24090	-23800	-24420	-32920	-32920	-33630	-34590	.24810	.25630
.952	1.230	-24490	-24070	-23760	-24420	-32790	-32790	-33610	-34880	.23550	.27010
.951	2.331	-24660	-24380	-24830	-24350	-33880	-33880	-35160	-35980	.20960	.29370
.951	3.408	-24640	-24600	-24810	-25000	-34300	-34300	-35720	-35940	.18590	.32180
.951	4.484	-26310	-26720	-25850	-26260	-35890	-35890	-37060	-37910	.16090	.34620
.951	6.620	-28370	-28090	-28560	-27690	-36840	-36840	-38560	-40720	.11690	.40350
	GRADIENT	-.00351	-.00388	-.00345	-.00313	-.00629	-.00629	-.00718	-.00705	-.02275	.02400

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OAI45 TABULATED FORCE DATA

AMES 118-1-11 OAI45A 01

(E2F023) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 187/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.600	-6.003	-.26390	.35340	-.00940
.600	-1.940	-.25490	.24250	.10380
.600	-.918	-.25520	.20720	.12910
.598	.099	-.25990	.17990	.15650
.600	.615	-.26110	.16680	.17130
.599	1.133	-.25780	.15170	.18710
.600	2.162	-.25280	.12720	.22310
.598	3.201	-.26810	.09230	.24570
.600	4.239	-.26020	.07040	.28020
.600	6.328	-.26310	.00500	.34310
	GRADIENT	-.00115	-.02768	.02879

RUN NO. 115/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.799	-5.998	-.29310	.38450	.02630
.797	-1.892	-.30750	.27570	.13400
.799	-.886	-.30930	.25300	.16670
.798	.124	-.30370	.22810	.20110
.799	.614	-.30690	.21530	.21170
.797	1.106	-.31450	.19330	.22660
.797	2.124	-.30880	.17160	.25900
.799	3.144	-.30670	.14260	.29300
.799	4.187	-.30630	.11290	.32340
.797	6.268	-.31540	.05750	.38110
	GRADIENT	.00012	-.02713	.03107

RUN NO. 173/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.901	-6.069	-.33230	.45380	.07150
.902	-1.939	-.32030	.34290	.19130
.901	-.923	-.35430	.30980	.22140
.901	.098	-.35310	.28070	.25340
.903	.590	-.35040	.26930	.27120
.900	1.085	-.35390	.25220	.27940
.901	2.106	-.35270	.22830	.31620
.902	3.131	-.34530	.20310	.35110
.901	4.175	-.35940	.17110	.37580
.899	6.260	-.37400	.10690	.43360
	GRADIENT	-.00342	-.02745	.03073

OAI45 TABULATED FORCE DATA

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(E2F023) (06 MAR 80)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPOBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 126/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.950	-6.057	-.36560	.46260	.09510
.950	-1.908	-.38580	.35850	.21130
.951	-.892	-.38940	.33830	.24230
.952	.155	-.39240	.31410	.27590
.950	.662	-.39210	.29960	.28830
.951	1.190	-.39080	.28240	.30400
.950	2.235	-.39460	.24790	.33450
.950	3.295	-.39500	.21980	.36570
.951	4.341	-.39090	.19720	.39900
.951	6.451	-.38090	.14860	.46130
	GRADIENT	-.00096	-.02704	.02975

RUN NO. 164/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.199	-6.086	-.33570	.60970	.28340
1.202	-1.958	-.32490	.50770	.33740
1.200	-.941	-.32630	.48250	.36620
1.199	.086	-.32430	.44960	.39380
1.197	.581	-.33220	.43390	.40630
1.197	1.077	-.32330	.42250	.42290
1.200	2.105	-.32580	.39960	.45550
1.200	3.133	-.32850	.37920	.48740
1.199	4.184	-.33310	.35950	.51490
1.196	6.277	-.33120	.33010	.57640
	GRADIENT	-.00098	-.02440	.02932

RUN NO. 135/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.297	-6.075	-.34490	.59460	.34200
1.303	-1.927	-.34600	.50710	.38480
1.302	-.912	-.34640	.48850	.39310
1.299	.113	-.34860	.47390	.40430
1.298	.599	-.35110	.46480	.41270
1.298	1.106	-.35030	.45130	.42450
1.298	2.138	-.34710	.42460	.45050
1.297	3.176	-.34840	.40780	.47720
1.296	4.223	-.34670	.40010	.50730
1.294	6.320	-.33080	.38940	.56910
	GRADIENT	-.00010	-.01862	.02051

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OAI45 TABULATED FORCE DATA
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REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = .000
AILRON = .000
SPDBRK = .000
RN/L = .000
ELEVON = .000
BDFLAP = .000
RUDDER = .000

RUN NO. 156/ 0 RN/L = 5.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.400	-6.122	-.31860	.62500	.38030
1.404	-1.964	-.32900	.54050	.44830
1.404	-.942	-.32990	.53020	.46060
1.404	.087	-.33740	.50780	.47000
1.403	.580	-.33820	.49990	.47220
1.404	1.083	-.33480	.49510	.47720
1.403	2.119	-.33160	.48600	.48810
1.403	3.151	-.32920	.46880	.50820
1.403	4.211	-.32720	.45410	.53550
1.401	6.320	-.32520	.32530	.58580
	GRADIENT	.00055	-.01397	.01314

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = .000
AILRON = .000
SPDBRK = .000
RN/L = .000
ELEVON = .000
BDFLAP = .000
RUDDER = .000

RUN NO. 0/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.600	-6.003	-.21800	-.21680	-.21280	-.21830	-.26390	-.26390	-.28530	-.31480	.35340	-.00940
.600	-1.940	-.20310	-.20380	-.20190	-.20280	-.25490	-.25490	-.27800	-.30740	.24250	.10380
.600	-.918	-.19940	-.19840	-.20790	-.20430	-.25520	-.25520	-.27460	-.29960	.20720	.12910
.598	.099	-.20730	-.20800	-.20770	-.20580	-.25990	-.25990	-.27840	-.30590	.17990	.15650
.600	.615	-.20340	-.20410	-.20480	-.20950	-.26110	-.26110	-.28350	-.30410	.16680	.17130
.599	1.133	-.20550	-.20380	-.20070	-.20020	-.25780	-.25780	-.27720	-.30440	.15170	.18710
.600	2.162	-.19840	-.20390	-.20250	-.19560	-.25280	-.25280	-.27100	-.29960	.12720	.22310
.598	3.201	-.21150	-.21390	-.21680	-.21860	-.26810	-.26810	-.28210	-.31070	.09230	.24570
.600	4.239	-.20530	-.20720	-.21340	-.20720	-.26020	-.26020	-.28520	-.30910	.07040	.28020
.600	6.328	-.22330	-.22560	-.22000	-.21850	-.26310	-.26310	-.28480	-.32160	.00500	.34310
	GRADIENT	-.00077	-.00130	-.00166	-.00102	-.00115	-.00115	-.00093	-.00074	-.02768	.02879

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DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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(E2FY23) (19 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = 0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 0/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.297	-6.075	-32750	-32940	-33120	-32890	-34490	-34490	-34340	-34700	59460	34200
1.303	-1.927	-32640	-32810	-32730	-32780	-34600	-34600	-34680	-35120	50710	38480
1.309	-1.912	-32530	-32650	-32650	-32650	-34640	-34640	-34760	-35070	48850	39310
1.299	.113	-32780	-32750	-33000	-32780	-34860	-34860	-35050	-35370	47390	40430
1.298	.599	-32730	-32950	-32950	-32870	-35110	-35110	-35350	-35600	46480	41270
1.298	1.106	-32630	-32790	-32780	-32680	-35030	-35030	-35020	-35320	45130	42450
1.298	2.138	-32870	-32900	-33110	-32800	-34710	-34710	-34780	-34880	42460	45050
1.297	3.176	-33500	-33460	-33580	-33510	-34840	-34840	-34890	-35270	40780	47720
1.296	4.223	-33300	-33360	-33430	-33650	-34670	-34670	-34910	-35160	40010	50730
1.294	6.320	-31810	-32200	-32150	-32570	-33080	-33080	-33460	-33830	38940	56910
	GRADIENT	-00142	-00119	-00143	-00169	-00810	-00010	-00016	.00002	-01862	.02051

RUN NO. 0/ 0 RN/L = 5.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.400	-6.122	-31720	-31740	-31780	-31780	-31860	-31860	-32030	-32200	62500	38030
1.404	-1.964	-32310	-32320	-32400	-32390	-32900	-32900	-33240	-33140	54050	44830
1.404	.087	-32560	-32500	-32430	-32590	-32990	-32990	-33580	-33570	53020	46060
1.404	.580	-32830	-32880	-32860	-32820	-33740	-33740	-33630	-33660	50780	47000
1.403	1.083	-32780	-32920	-32910	-32950	-33820	-33820	-33740	-34170	49990	47220
1.404	2.119	-32600	-32640	-32760	-32670	-33480	-33480	-33890	-34030	49510	47720
1.403	3.151	-32590	-32750	-32660	-32590	-33160	-33160	-33260	-33600	48600	48810
1.403	4.211	-32700	-32730	-32780	-32760	-32920	-32920	-33330	-33740	46880	50820
1.403	6.320	-32400	-32370	-32340	-32450	-32720	-32720	-33130	-33130	45410	53550
1.401	GRADIENT	-31930	-31860	-31930	-31950	-32520	-32520	-32590	-32860	32530	58580
		-00007	-00011	-00006	-00005	.00055	.00055	.00046	.00002	-01397	.01314

OAI45 TABULATED FORCE DATA

AMES 118-1-11 OAI45A 01

DATE 10 MAR 80

(E2F024) (06 MAR 80)

REFERENCE DATA

SREF = 2690.000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = .000
AILRON = .000
SPDBRK = 25.000
RN/L = 5.000
ELEVON = .000
BDFLAP = .000
RUDDER = .000

RUN NO. 188/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.598	-6.041	-.31980	.35250	-.07820
.597	-1.949	-.32990	.21350	.06030
.600	-.915	-.32170	.18690	.10210
.599	.123	-.32180	.15180	.13370
.600	.645	-.32510	.13650	.14810
.600	1.171	-.32190	.12270	.16810
.599	2.234	-.32170	.08980	.20450
.600	3.272	-.32070	.05310	.23920
.600	4.312	-.31370	.02790	.27440
.600	6.411	-.31340	-.04590	.33850
	GRADIENT	.00177	-.03028	.03378

RUN NO. 116/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.800	-6.072	-.37610	.42330	-.01600
.796	-1.922	-.40510	.28680	.12330
.797	-.895	-.41480	.25630	.15950
.799	.156	-.42030	.22300	.18940
.797	.669	-.42350	.20520	.20450
.799	1.177	-.41830	.19160	.22410
.798	2.219	-.42010	.16040	.25870
.799	3.259	-.41810	.12590	.29190
.798	4.303	-.40980	.09190	.32750
.799	6.384	-.40260	.02300	.39140
	GRADIENT	-.00057	-.03124	.03291

RUN NO. 174/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.900	-6.119	-.41000	.46850	.02440
.899	-1.953	-.42940	.33530	.17150
.900	-.906	-.42720	.30480	.21200
.901	.146	-.40890	.27320	.24590
.902	.654	-.43610	.25650	.25910
.901	1.169	-.41110	.24530	.27950
.900	2.197	-.44970	.21120	.31120
.901	3.240	-.43930	.18180	.34860
.901	4.292	-.44560	.14730	.38030
.900	6.377	-.45860	.08140	.44650
	GRADIENT	-.00377	-.02996	.03322

(E2F024) (06 MAR 80)

OAI45 TABULATED FORCE DATA
AMES 118-1-11 OAI45A 01

DATE 10 MAR 80

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. YO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 127/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.950	-6.074	-.42160	.49970	.06750
.951	-1.933	-.43420	.37480	.20530
.951	-.850	-.43700	.34160	.24060
.953	.188	-.44620	.31070	.27440
.951	.700	-.45040	.29350	.28830
.951	1.228	-.45890	.27580	.30420
.951	2.303	-.46020	.24440	.33980
.952	3.359	-.45550	.21880	.37530
.952	4.412	-.46140	.18420	.40890
.951	6.520	-.45890	.12210	.47090
	GRADIENT	-.00444	-.02987	.03200

RUN NO. 165/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.198	-6.152	-.31930	.62680	.28220
1.200	-2.007	-.33930	.51120	.33340
1.199	-.958	-.34390	.48130	.36370
1.199	.103	-.34830	.45140	.39330
1.199	.624	-.34640	.43780	.41000
1.200	1.139	-.34480	.42460	.42540
1.198	2.178	-.33840	.39560	.45960
1.200	3.227	-.33380	.37690	.49600
1.199	4.286	-.33180	.35420	.52690
1.197	6.372	-.33150	.31080	.59210
	GRADIENT	.00187	-.02504	.03112

RUN NO. 137/ 0 RN/L = 4.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.296	-6.143	-.34270	.63380	.35050
1.299	-1.995	-.36350	.52580	.39120
1.298	-.930	-.36340	.50000	.40060
1.298	.130	-.36300	.47710	.41380
1.298	.653	-.36100	.46760	.42490
1.298	1.177	-.36170	.45500	.43560
1.298	2.208	-.35500	.43350	.46400
1.298	3.258	-.34620	.41840	.49330
1.297	4.320	-.34510	.41560	.52380
1.296	6.411	-.33900	.37650	.58600
	GRADIENT	.00335	-.01824	.02168

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

PAGE 1687

AMES 118-1-11 0A145A Q1

(E2FY24) (19 JUL 77)

REFERENCE DATA

=	SREF	=	2690.0000	SQ.FT.	=	XMRP	=	1076.6800	IN.	XO
=	LREF	=	474.8100	INCHES	=	YMRP	=	.0000	IN.	YO
=	BREF	=	936.6800	INCHES	=	ZMRP	=	375.0000	IN.	ZO
=	SCALE	=	.0500							

ALPHA
A ILRON
SPDBRK
RN/L

15.000	ELEVON	=	.000
.000	BDFLAP	=	.000
25.000	RUDDER	=	.000
5.000			

PARAMETRIC DATA

	BETA	RUN NO.	0/ 0	RN/L =	4.99	GRADIENT INTERVAL =	-5.00/	5.00	CP246	CP12	CP13
MACH		CP225	CP228	CP231	CP234	CP237	CP240	CP243			
.598	-6.041	-22760	-22520	-22690	-22950	-31980	-31980	-32450	-33510	.35250	-.07820
.597	-1.949	-23540	-23710	-23430	-24250	-32990	-32990	-33760	-34680	.21350	.06030
.600	-	-22840	-22770	-22940	-23120	-32170	-32170	-32940	-34650	.18680	.10210
.599	.123	-23210	-23000	-23380	-23120	-32180	-32180	-33900	-34810	.15180	.13370
.600	.645	-22750	-23120	-22820	-23590	-32510	-32510	-33610	-34380	.13650	.14810
.600	1.171	-23310	-23030	-23030	-22820	-32190	-32190	-33460	-33780	.12270	.16810
.599	2.234	-23370	-23280	-23510	-23090	-32170	-32170	-32990	-34160	.08980	.20450
.600	3.272	-23030	-22930	-22750	-22580	-32070	-32070	-32750	-33240	.05310	.23920
.600	4.312	-23290	-22510	-22400	-22580	-31370	-31370	-32420	-33220	.02790	.27440
.600	6.411	-23290	-22400	-22940	-23190	-31340	-31340	-32250	-33610	-.04590	.33950
GRADIENT	.00097	.00103	.00109	.00215	.00177	.00177	.00177	.00187	.00271	-.03028	.03378

[illegible]

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.900	-6.119	-28290	-28390	-28390	-28420	-41000	-41000	-36580	-35210	.46850	.02440
.899	-1.953	-30170	-29550	-29190	-29960	-42940	-42940	-40850	-42360	.33530	.17150
.900	-.906	-29130	-29500	-29490	-29490	-42720	-42720	-38720	-41570	.30480	.21200
.901	.146	-28770	-28810	-29080	-28450	-40890	-40890	-39010	-38390	.27320	.24590
.902	.654	-30060	-29140	-28210	-29270	-43610	-43610	-41300	-37670	.25650	.25910
.901	1.169	-29200	-29170	-29660	-29650	-41110	-41110	-41990	-41240	.24530	.27950
.900	2.197	-29100	-29280	-29830	-29680	-44970	-44970	-32750	-37010	.21120	.31120
.901	3.240	-30230	-30090	-30260	-29920	-43930	-43930	-38990	-37520	.18180	.34860
.901	4.292	-29770	-30260	-29290	-30160	-44560	-44560	-40050	-45450	.14730	.38030
.900	6.377	-30330	-29200	-29900	-30260	-45860	-45860	-44030	-47450	.08140	.44650
	GRADIENT	-00036	-00119	-00107	-00096	-00377	-00377	.00260	-00036	-.02996	.03322

0A145 TABULATED FORCE DATA

DATE 10 MAR 80

(E2FY24) (19 JUL 77)

AMES 118-1-11 0A145A 01

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 15.000 ELEVON = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO AILRON = .000 BDFLAP = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPDRK = 25.000 RUDDER = .000
 SCALE = .0500 RN/L = 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.950	-6.074	-29720	-29640	-29650	-29540	-42160	-42160	-41600	-43100	.49970	.06750
.951	-1.933	-30320	-29950	-30170	-30750	-43420	-43420	-44030	-45160	.37480	.20530
.951	-.850	-30130	-30280	-30510	-30700	-43700	-43700	-44890	-45850	.34160	.24060
.953	.188	-30940	-31090	-31240	-30990	-44620	-44620	-45300	-46320	.31070	.27440
.951	.700	-31140	-31920	-31680	-31700	-45040	-45040	-45370	-45940	.29350	.28630
.951	1.228	-31590	-31210	-30780	-31260	-45890	-45890	-46990	-47270	.27580	.30420
.951	2.303	-31520	-31240	-31340	-31690	-46020	-46020	-46630	-47310	.24440	.33980
.952	3.359	-31150	-31030	-31450	-30360	-45550	-45550	-46860	-46340	.21880	.37530
.952	4.412	-30200	-30680	-30390	-30910	-46140	-46140	-47280	-48160	.18420	.40890
.951	6.520	-31280	-30810	-31210	-31840	-46890	-46890	-47250	-48130	.12210	.47090
GRADIENT		-.00071	-.00111	-.00076	-.00044	-.00444	-.00444	-.00513	-.00378	-.02987	.03200

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.296	-6.143	-32540	-32810	-32950	-33010	-34270	-34270	-34340	-34560	.63380	.35050
1.299	-1.995	-35200	-35380	-35310	-35410	-36350	-36350	-36540	-36950	.52580	.39120
1.298	-.930	-35640	-35630	-35630	-35460	-36340	-36340	-36540	-36970	.50000	.40060
1.298	.130	-35690	-35810	-35830	-35630	-36300	-36300	-36800	-36880	.47710	.41380
1.298	.653	-35440	-35620	-35640	-35730	-36100	-36100	-36460	-36650	.46760	.42490
1.298	1.177	-35350	-35500	-35530	-35470	-36170	-36170	-36350	-36370	.45500	.43560
1.298	2.208	-34680	-34860	-34680	-34790	-35500	-35500	-35780	-36030	.43350	.48400
1.298	3.258	-33790	-33860	-33890	-33920	-34620	-34620	-34820	-35030	.41840	.49330
1.297	4.320	-33570	-33680	-33580	-33650	-34510	-34510	-34780	-34960	.41560	.52380
1.296	6.411	-32910	-32840	-32970	-33020	-33900	-33900	-33900	-34290	.37650	.58600
GRADIENT		.00332	.00333	.00341	.00322	.00335	.00335	.00336	.00368	-.01824	.02168

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

(E2F025) (16 JUL 77)

AMES 118-1-11 OAI45A 01

PARAMETRIC DATA

ALPHA = 13.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPOBRK = 25.000 RUDDER = .000
RN/L = 5.000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

RUN NO. 157/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.392	-6.153	-3240	-32190	-32340	-32450	-32130	-32130	-33400	-33320	-65000	-37590
1.397	-2.002	-33510	-33550	-33520	-33460	-33690	-33690	-33920	-34540	-54670	-45110
1.397	-.968	-33760	-33830	-33770	-33750	-33860	-33860	-34540	-34680	-52550	-46110
1.397	.089	-33840	-33920	-33930	-33860	-33540	-33540	-34410	-35030	-51100	-47100
1.395	.601	-33760	-33800	-33800	-33930	-33610	-33610	-34550	-34850	-50280	-47620
1.395	1.119	-33440	-33710	-33680	-33720	-33550	-33550	-33990	-34740	-49390	-48100
1.395	2.171	-33370	-33240	-33380	-33380	-33460	-33460	-33930	-34470	-47370	-49660
1.394	3.214	-33000	-33000	-33130	-33340	-33690	-33690	-33690	-34210	-44160	-52020
1.394	4.271	-32840	-32640	-32780	-32800	-33530	-33530	-33860	-33300	-39900	-54580
1.391	6.376	-32260	-32460	-32310	-32190	-31970	-31970	-33680	-33300	-38280	-60710
GRADIENT		.00141	.00178	.00143	.00133	.00048	.00048	.00092	.00125	-.02225	.01471

(E2F026) (16 JUL 77)

AMES 118-1-11 OAI45A 01

PARAMETRIC DATA

BETA = .000 ELEVON = 5.000
AILRON = .000 BDFLAP = .000
SPOBRK = 25.000 RUDDER = .000
RN/L = 5.000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

RUN NO. 69/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CF225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.598	-9.863	-22380	-22260	-22310	-22360	-26110	-26110	-27280	-27260	-.20290	-.19480
.598	-5.015	-22060	-21990	-21870	-21940	-24060	-24060	-23710	-23990	-.04780	-.04390
.598	-.021	-21550	-21970	-22260	-21780	-25650	-25650	-26030	-26390	.07400	.05680
.598	2.519	-22400	-21970	-22330	-22590	-27970	-27970	-28180	-29560	.11580	.10190
.598	5.021	-22190	-22640	-22260	-22310	-29690	-29690	-30880	-33020	.15830	.13210
.598	7.063	-21960	-22190	-21600	-22130	-30320	-30320	-32600	-35080	.17420	.14830
.598	8.086	-22390	-21770	-21980	-22010	-31470	-31470	-33590	-36470	.17870	.14900
.598	10.136	-22950	-22690	-22790	-21980	-32330	-32330	-34880	-38480	.17990	.14930
.598	12.192	-22790	-22150	-23120	-23290	-33980	-33980	-36150	-39780	.18110	.15270
.597	15.243	-25460	-25650	-25980	-25650	-39420	-39420	-40390	-41710	.16000	.12700
.598	20.019	-31040	-31250	-31210	-31400	-49720	-49720	-50270	-50960	.09600	.06490
GRADIENT		-.00335	.00000	-.00028	-.00319	-.00914	-.00914	-.00847	-.01248	.01646	.01776

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(E2F026) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = 5.000
 AILRON = .000 BOFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 109/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.798	-9.932	-26010	-25320	-25640	-25410	-26450	-26450	-33620	-34010	-12100	-10000
.800	-4.646	-23510	-23430	-23170	-23360	-20700	-20700	-25830	-26000	-21900	-02880
.800	.324	-23670	-23210	-23370	-23690	-21330	-21330	-27270	-27980	-12790	-12000
.797	2.855	-23220	-23410	-23090	-23240	-23690	-23690	-29140	-30910	-16470	-15320
.797	5.456	-22690	-22960	-22710	-22790	-25740	-25740	-32020	-32230	-19790	-17870
.797	8.518	-23920	-23840	-23350	-23090	-26900	-26900	-33840	-34410	-21390	-19260
.798	10.550	-23700	-24780	-24440	-24970	-28210	-28210	-34900	-35600	-23090	-20050
.797	12.645	-27450	-26310	-26390	-27280	-31340	-31340	-39200	-40140	-23800	-20400
.795	15.708	-30930	-32030	-31740	-32140	-40510	-40510	-45500	-46080	-21380	-18300
.797	20.481	-33060	-33800	-33800	-34120	-41230	-41230	-49170	-49350	-17480	-14050
GRADIENT		.00029	.00008	.00004	.00005	.00361	.00361	.00420	.00619	.01935	.01683

RUN NO. 92/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.900	-4.753	-26260	-26400	-26020	-26610	-31420	-31420	-30910	-31540	-08500	-08940
.901	.260	-25010	-25190	-25070	-24870	-30790	-30790	-31340	-32330	-17790	-16900
.900	2.782	-25250	-24570	-24760	-25150	-34700	-34700	-34010	-34980	-20900	-19330
.900	5.343	-25330	-25240	-25500	-25210	-34240	-34240	-35460	-36080	-24960	-22010
.899	8.390	-26390	-26070	-26320	-26310	-37100	-37100	-37340	-37840	-26680	-23580
.901	10.472	-26320	-26170	-26430	-27330	-36750	-36750	-37640	-37880	-28260	-24710
.900	12.528	-28120	-28330	-28380	-28620	-39970	-39970	-39860	-40050	-28160	-24430
.899	15.566	-32280	-32400	-32280	-32620	-45440	-45440	-46850	-47130	-27180	-23530
.889	20.657	-37650	-38010	-38060	-37250	-49220	-49220	-50510	-50870	-22550	-18710
GRADIENT		.00150	.00243	.00170	.00215	.00356	.00356	.00365	.00414	.01675	.01408

RUN NO. 64/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.950	-9.854	-30840	-31000	-30990	-31120	-42860	-42860	-43210	-43180	-03030	-05720
.949	-4.990	-30400	-30150	-30370	-30280	-43160	-43160	-43670	-44270	-12500	-12830
.951	.022	-29560	-29530	-29630	-28830	-43160	-43160	-43580	-44260	-20990	-19100
.951	2.578	-30590	-30260	-30110	-30440	-43250	-43250	-43220	-44480	-23980	-21520
.950	5.080	-27420	-28070	-28360	-28210	-37610	-37610	-38390	-38960	-27660	-24030
.951	7.150	-27140	-28070	-27160	-27360	-37630	-37630	-38150	-37980	-29000	-25030
.951	8.182	-28780	-27690	-28290	-27790	-39740	-39740	-39800	-40280	-29430	-25240
.951	10.250	-28570	-28720	-28540	-29300	-40590	-40590	-41060	-41190	-30580	-26110
.952	12.294	-30290	-29770	-29890	-30070	-42470	-42470	-43010	-44150	-30950	-26400
.951	15.387	-33420	-33420	-33420	-32300	-46350	-46350	-47080	-47800	-30190	-25670
.950	20.707	-37280	-37330	-37660	-37580	-47880	-47880	-48900	-49710	-26820	-21760
GRADIENT		.00002	.00005	.00050	.00022	.00010	.00010	.00054	.00024	.01542	.01163

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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(E2F026) (16 JUL 77)

AXES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = 5.000
 AILRON = .000 BDFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 244/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.050	-5.833	-31690	-32010	-31780	-31880	-33730	-33730	-32540	-31690	-24750	-25530
1.052	-8.12	-31620	-31760	-31450	-32030	-32600	-32600	-32090	-32410	-33610	-31350
1.051	1.752	-32460	-32420	-32030	-32570	-33910	-33910	-33290	-33550	-35690	-33350
1.051	4.265	-33170	-33160	-33300	-33220	-34390	-34390	-34240	-34040	-38040	-34830
1.046	6.512	-33090	-33490	-34050	-33760	-34810	-34810	-34640	-34770	-39970	-35720
1.050	7.383	-34200	-33550	-33750	-34070	-34590	-34590	-34420	-35450	-40460	-36330
1.047	9.491	-34300	-34520	-33880	-34530	-34590	-34590	-33860	-35160	-40880	-36500
1.045	11.294	-34690	-34960	-35060	-35100	-36130	-36130	-34760	-35040	-41280	-36510
1.049	14.582	-37140	-36570	-37310	-37620	-39040	-39040	-37870	-38550	-41390	-36120
GRADIENT		-30305	-30276	-30364	-30234	-30353	-30353	-30424	-30321	-30872	-30685

RUN NO. 242/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.103	-4.248	-31840	-31860	-31760	-31430	-32610	-32610	-33000	-32920	-31240	-31220
1.103	-8.09	-31330	-31400	-31540	-31570	-32400	-32400	-32460	-31790	-35940	-34140
1.100	1.747	-31400	-31840	-31750	-32100	-32960	-32960	-32920	-32870	-3870	-35750
1.095	4.269	-33550	-33600	-33630	-33520	-34070	-34070	-34020	-34130	-40510	-36880
1.101	6.342	-34190	-34120	-34090	-34400	-34530	-34530	-34220	-34790	-42040	-37860
1.100	7.339	-34280	-34380	-34230	-34380	-34580	-34580	-34860	-35560	-43000	-38360
1.100	9.412	-34850	-35060	-34880	-35150	-35210	-35210	-35640	-35700	-43280	-38830
1.100	11.500	-36430	-36280	-36220	-36550	-36640	-36640	-37100	-36160	-43280	-37970
1.100	14.559	-37530	-37340	-37960	-37570	-38330	-38330	-38950	-39610	-43620	-37780
GRADIENT		-30370	-30188	-30195	-30234	-30167	-30167	-30115	-30151	-30175	-30669

RUN NO. 86/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.202	-4.788	-30640	-30800	-30770	-30840	-31060	-31060	-31620	-32200	-33860	-35630
1.203	1.150	-30680	-30770	-30750	-30820	-32020	-32020	-32310	-32570	-38570	-36600
1.200	2.676	-31690	-31670	-31600	-31720	-33780	-33780	-33940	-34130	-39980	-36670
1.198	5.197	-32420	-33160	-32870	-32740	-34700	-34700	-35140	-35450	-42400	-37340
1.198	8.297	-33340	-33800	-33500	-33770	-35940	-35940	-36040	-36260	-43710	-37710
1.198	10.368	-33490	-33860	-33780	-33560	-36140	-36140	-36560	-36530	-43570	-38200
1.198	12.435	-32930	-33160	-33170	-33370	-35440	-35440	-35280	-35040	-44380	-38320
1.197	15.535	-34060	-34390	-34480	-34550	-36190	-36190	-36310	-36650	-44430	-38110
1.197	20.517	-36430	-36620	-36580	-36710	-38610	-38610	-38770	-39170	-42540	-36970
GRADIENT		-300122	-300100	-300095	-300101	-300341	-300341	-300287	-300233	-300838	-300147

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

AMES 118-1-11 OAI45A 01

(EZF028) (18 JUL 77)

PARAMETRIC DATA

BETA = .000
ELEVON = 5.000
AILRON = .000
BOFLAP = .000
SPDBRK = 25.000
RUDDER = 5.000
RN/L =

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500
XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

RUN NO. 74/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.294	-9.978	-28490	-28590	-28520	-28760	-28990	-28990	-29380	-29750	.35250	.38240
1.302	-5.113	-28860	-29010	-28910	-28840	-30350	-30350	.30710	-31770	.38020	.39340
1.301	-.095	-29300	-29300	-29190	-29290	-31030	-31030	.30950	-31650	.40770	.39930
1.296	2.465	-30340	-30680	-30660	-30140	-32980	-32980	.33170	-33930	.43430	.40010
1.295	4.992	-32230	-31940	-32140	-32180	-35090	-35090	.35370	-35930	.45150	.39400
1.295	7.034	-32910	-32960	-33210	-32980	-36150	-36150	.36590	-36920	.46000	.39300
1.295	8.077	-33380	-33480	-33530	-33460	-36430	-36430	.36470	-37060	.46330	.39200
1.295	10.156	-34210	-34370	-34340	-34600	-36940	-36940	.37210	-37750	.46330	.39340
1.293	12.229	-34360	-34620	-34650	-34590	-36490	-36490	.36670	-36950	.46900	.39570
1.294	15.342	-35000	-35160	-35040	-35080	-36160	-36160	.36270	-36490	.47420	.40200
1.294	20.321	-32530	-32720	-32710	-32720	-33840	-33840	.33960	-34280	.46490	.40180
1.286	GRADIENT	-00576	-00519	-00580	-00568	-00798	-00798	-.00869	-.00841	.00861	-.00104

RUN NO. 149/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.402	-4.968	-28150	-28100	-28210	-28190	-29470	-29470	-31620	-31650	.40080	.43260
1.403	.234	-30070	-30190	-30160	-30320	-31360	-31360	.32400	-32500	.44470	.45660
1.402	2.800	-30940	-31060	-31100	-31100	-32220	-32220	.32650	-32650	.46200	.45840
1.403	5.322	-31480	-31740	-31790	-31660	-32130	-32130	.32980	-32760	.50340	.45900
1.404	6.349	-31830	-31900	-31860	-31910	-32090	-32090	.33440	-33230	.49130	.46180
1.404	7.366	-31890	-31990	-32080	-31950	-32220	-32220	.33750	-33550	.49190	.46510
1.404	8.410	-32110	-32180	-32080	-32200	-32320	-32320	.33460	-34380	.49360	.46780
1.404	9.455	-32250	-32350	-32400	-32450	-32120	-32120	.33410	-33890	.50430	.46540
1.402	GRADIENT	-00361	-00384	-00372	-00380	-00355	-00355	-.00135	-.00134	.00796	.00351

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

(E2F027) (06 MAR 80)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

BETA =
AILRON =
SPDBRK =
RN/L =
ELEVON = 10.000
BDFLAP = .000
RUDDER = .000
25.000
5.000

RUN NO. 72/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.597	-9.884	-.30970	-.21290	-.20270
.598	-5.011	-.29360	-.04910	-.04310
.597	-.014	-.32740	.07440	.06200
.597	2.519	-.35700	.11550	.10490
.598	5.004	-.37750	.15600	.13410
.598	7.068	-.37460	.17390	.14780
.598	8.104	-.38320	.17990	.15190
.598	10.130	-.39910	.18320	.15320
.598	12.195	-.42700	.18580	.15450
.598	15.250	-.45240	.15900	.12260
.597	20.133	-.55340	.08850	.05990
	GRADIENT	-.01169	.01623	.01694

RUN NO. 108/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.800	-10.080	-.31130	-.12470	-.10240
.804	-4.823	-.21840	.01910	.02690
.798	.184	-.27040	.12170	.11860
.799	2.664	-.27190	.16810	.15090
.798	5.255	-.31880	.19400	.17700
.802	8.396	-.31590	.22090	.20030
.799	10.442	-.33110	.23150	.19960
.798	12.484	-.35950	.23120	.19780
.797	15.570	-.40640	.22270	.18900
.791	20.487	-.45270	.16890	.13170
	GRADIENT	-.00762	.01999	.01682

0A145 TABULATED FORCE DATA

DATE 10 MAR 80

(E2F027) (06 MAR 80)

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

BETA = .000
ALIRON = .000
SPDBRK = 25.000
RUDDER = 5.000
ELEVON = 10.000
BDFLAP = .000

RUN NO. 100/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.901	-10.262	-.47470	-.03660	-.00420
.902	-5.022	-.30270	.08470	.09200
.903	-.062	-.33810	.17460	.16950
.898	2.510	-.39040	.20760	.19320
.899	5.025	-.39070	.23790	.21960
.900	7.111	-.37060	.25570	.23680
.901	8.122	-.37240	.26340	.24110
.901	10.215	-.38250	.28530	.24760
.900	12.292	-.41110	.28370	.24820
.900	15.302	-.46300	.27930	.24110
.900	20.346	-.47990	.24450	.20350
	GRADIENT	-.02034	.01283	.00921

RUN NO. 66/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.951	-9.876	-.45980	.03180	.05880
.953	-5.006	-.39540	.13210	.13550
.951	.023	-.37850	.21670	.19810
.952	2.580	-.41420	.25010	.22820
.949	5.074	-.36430	.28180	.24650
.948	7.152	-.35470	.29720	.25780
.951	8.172	-.36930	.30650	.26510
.950	10.234	-.39480	.31400	.27050
.951	12.319	-.41520	.31630	.27030
.949	15.411	-.44040	.31170	.26420
.951	20.846	-.46080	.28070	.23070
	GRADIENT	-.01396	.01306	.01177

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

AMES 118-1-11 0A145A 01

(E2F027) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = 10.000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 247/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
1.051	-5.807	-.33220	.25090	.25780
1.059	-1.646	-.31120	.33280	.31060
1.047	1.739	-.33830	.35310	.32900
1.050	4.307	-.33520	.38090	.34980
1.050	6.332	-.34160	.40030	.36130
1.050	7.375	-.34680	.40570	.36470
1.051	9.444	-.35110	.41260	.37090
1.049	11.509	-.35420	.41520	.36790
1.048	14.580	-.37990	.41130	.35980
	GRADIENT	-.00424	.00797	.00653

RUN NO. 243/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
1.100	-5.820	-.35210	.28870	.29830
1.103	-.800	-.34070	.35900	.34090
1.100	1.763	-.33090	.37960	.35600
1.099	4.271	-.33970	.40140	.36680
1.101	6.350	-.34350	.41960	.37750
1.099	7.353	-.34850	.42140	.37960
1.100	9.428	-.34930	.43170	.38730
1.099	11.500	-.34980	.43480	.39400
1.100	14.580	-.37120	.43320	.37830
	GRADIENT	.00021	.00836	.00511

RUN NO. 87/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
1.198	-4.239	-.31650	.34190	.35600
1.200	.183	-.31510	.38600	.36580
1.196	2.689	-.33250	.39940	.36780
1.198	5.209	-.33010	.42600	.37690
1.199	8.315	-.33470	.43940	.38080
1.199	10.379	-.33540	.44480	.38240
1.195	12.472	-.33020	.44410	.38100
1.196	15.566	-.34790	.44240	.37990
1.185	20.592	-.36890	.42640	.37040
	GRADIENT	-.00201	.00849	.00176

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA
AMES 118-1-11 OAI45A 01

PAGE 1676
(E2F027) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

BETA = .000
AILLON = .000
SPDBRK = 25.000
RN/L = 5.000
ELEVON = 10.000
BDFLAP = .000
RUDDER = .000

RUN NO. 73/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
1.298	-9.944	-30620	.35490	.37770
1.296	-5.057	-31710	.37500	.36850
1.297	-013	-31810	.40350	.39590
1.296	2.544	-32660	.43420	.40140
1.295	5.037	-33150	.44930	.39750
1.295	7.115	-33290	.45920	.39170
1.296	8.161	-33310	.46420	.39170
1.296	10.207	-33090	.47070	.39400
1.295	12.302	-33770	.46930	.39760
1.294	15.384	-33550	.47420	.40190
1.281	20.334	-32060	.46100	.39900
	GRADIENT	-.00333	.01201	.00215

RUN NO. 150/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
1.402	-4.954	-30870	.40100	.43270
1.404	.224	-32040	.44770	.45610
1.403	2.777	-32630	.46160	.46030
1.403	5.314	-31340	.48620	.45840
1.403	6.299	-31040	.49170	.46290
1.402	7.405	-31390	.49120	.46540
1.402	8.391	-30220	.49370	.46490
1.399	9.439	-30930	.50390	.46310
	GRADIENT	-.00227	.00801	.00371

OAI45 TABULATED FORCE DATA
AMES 118-1-11 OAI45A 01

DATE 10 MAR 80

(E2FY27) (19 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = 10.000
AILIRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO.		0 / 0	RN/L =	4.99	GRADIENT INTERVAL =		-5.00/	5.00			
MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.597	-9.884	-24850	-25200	-24630	-25160	-30970	-30970	-30950	-31480	-21290	-20270
.598	-5.011	-25040	-25090	-25210	-25110	-29360	-29360	-29070	-29150	-04910	-04310
.597	-0.014	-24860	-24840	-24910	-24770	-32740	-32740	-32720	-33600	-07440	-06200
.597	2.519	-25650	-25530	-25460	-25720	-35700	-35700	-37020	-37880	-11550	-10490
.598	5.004	-24800	-25010	-24940	-25510	-37750	-37750	-39560	-40780	-15600	-13410
.598	7.068	-24000	-24120	-24140	-25280	-37460	-37460	-40520	-42010	-17390	-14780
.598	8.104	-24780	-24570	-24950	-25120	-38320	-38320	-40190	-44110	-17990	-15190
.598	10.130	-25930	-25070	-26100	-25600	-39910	-39910	-42300	-46080	-18320	-15320
.598	12.195	-26280	-26120	-26610	-25950	-42700	-42700	-45780	-49150	-18580	-15450
.598	15.250	-28710	-28780	-28970	-29210	-45240	-45240	-45910	-46960	-15900	-12260
.597	20.133	-35070	-35120	-35600	-36100	-55340	-55340	-56230	-56420	-08850	-05990
GRADIENT		-10312	-00272	-00217	-00375	-01169	-01169	-01481	-01690	-01623	-01694

RUN NO.		0 / 0	RN/L = 4.97	GRADIENT INTERVAL = -5.00/ 5.00							
MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.800	-10.080	-30030	-29130	-29880	-29840	-31130	-31130	-39610	-39570	-12470	-10240
.804	-4.823	-26610	-26150	-26260	-26300	-21840	-21840	-28730	-28870	-01910	-02690
.798	.184	-27180	-27270	-27010	-27590	-27040	-27040	-32660	-32920	-12170	-11860
.799	2.664	-26940	-26660	-26890	-26810	-27190	-27190	-33900	-35400	-16810	-15090
.798	5.255	-26910	-27250	-26870	-26280	-31880	-31880	-38080	-38740	-19400	-17700
.802	8.396	-27420	-27060	-26670	-26440	-31590	-31590	-39040	-39920	-22090	-20030
.799	10.442	-29040	-28510	-29530	-29360	-33110	-33110	-39740	-39350	-23190	-19960
.799	12.484	-31760	-31010	-30340	-31170	-35950	-35950	-42200	-42780	-23120	-19780
.797	15.570	-34830	-35410	-36150	-36250	-40640	-40640	-48080	-47660	-22270	-18900
.791	20.487	-36620	-38580	-38330	-38640	-45270	-45270	-52170	-52090	-16890	-13170
GRADIENT		-00054	-00091	-00094	-00096	-00762	-00762	-00704	-00863	-01999	-01682

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = 10.000
AILRON = .000 BOFLAP = .000
SPDRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 0/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.298	-9.944	-30090	-30190	-30130	-30200	-30620	-30620	-30850	-31310	-35490	-37770
1.296	-5.057	-30750	-30780	-30910	-30820	-31710	-31710	-32410	-32490	-37500	-38850
1.297	-.013	-31050	-31410	-31390	-31320	-31810	-31810	-32080	-32200	-40350	-39590
1.296	2.544	-31530	-31740	-31740	-31880	-32660	-32660	-32590	-32950	-43420	-40140
1.295	5.037	-32340	-32270	-32380	-32490	-33150	-33150	-33130	-33600	-44930	-39750
1.295	7.115	-32690	-32680	-32720	-32650	-33290	-33290	-33380	-33650	-45920	-39170
1.296	8.161	-32170	-32670	-32640	-32700	-33310	-33310	-33170	-33310	-46420	-39170
1.296	10.207	-32610	-32800	-32800	-32860	-33090	-33090	-33070	-33310	-47070	-39400
1.295	12.302	-33570	-33760	-33860	-33750	-33770	-33770	-33650	-33720	-46930	-39760
1.294	15.384	-33510	-33770	-33620	-33800	-33550	-33550	-33230	-33370	-47420	-40190
1.294	20.334	-33970	-32150	-32150	-32080	-32060	-32060	-31720	-31930	-46100	-39900
1.281	GRADIENT	-00188	-00129	-00137	-00219	-00333	-00333	-00200	-00293	-01201	-00215

RUN NO. 0/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.402	-4.954	-29200	-29280	-29310	-29240	-30870	-30870	-32820	-32830	-40100	-43270
1.404	.224	-30690	-30900	-30830	-30830	-32040	-32040	-33540	-33360	-44770	-45610
1.403	2.777	-31280	-31390	-31540	-31480	-32630	-32630	-33960	-33380	-46160	-46030
1.403	5.314	-31410	-31590	-31540	-31620	-31340	-31340	-32800	-33110	-48620	-45840
1.403	6.299	-31120	-31330	-31310	-31270	-31040	-31040	-33000	-32670	-49170	-46290
1.402	7.405	-31040	-31170	-31250	-31270	-31390	-31390	-33930	-33230	-49120	-46540
1.402	8.391	-30730	-30980	-30870	-30890	-30220	-30220	-31920	-31280	-49370	-46490
1.402	9.439	-31030	-31210	-31140	-31080	-30930	-30930	-31870	-31450	-50390	-46310
1.399	GRADIENT	-00672	-00279	-00289	-00292	-00227	-00227	-00146	-00076	-00801	-00371

0A145 TABULATED FORCE DATA

DATE 10 MAR 80

AMES 118-1-11 0A145A 01

(E2F028) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = 20.000
AILRON = .000 BDFLAP = .000
SPDRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 404/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.601	-4.894	-34350	-33890	-33440	-33400	-35100	-35100	-36720	-36790	-36990	-36680
.601	.166	-33810	-32560	-32630	-32740	-37820	-37820	-40710	-42980	-40450	-40710
.601	3.059	-32870	-32960	-32010	-32100	-40580	-40580	-44170	-47160	-42690	-41100
.601	5.266	-33770	-33000	-32980	-32910	-45040	-45040	-49360	-53380	-49360	-49360
.600	7.006	-36030	-34660	-34150	-34500	-50110	-50110	-54580	-59590	-54580	-54580
.601	8.321	-38190	-37350	-37260	-36860	-58930	-58930	-64010	-68040	-64010	-64010
.601	10.341	-38130	-36880	-37430	-37570	-61920	-61920	-65750	-69840	-65750	-65750
.599	12.358	-39690	-38450	-38640	-38550	-58980	-58980	-63250	-66440	-63250	-63250
.600	15.312	-41820	-40380	-40360	-40290	-52050	-52050	-54500	-55680	-54500	-54500
GRADIENT		.00177	.00133	.00178	.00160	.00672	.00672	.00920	.01295	.02138	.01881

RUN NO. 408/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.799	-4.697	-35130	-34450	-34000	-34130	-35230	-35230	-35840	-36730	-36480	-36210
.799	.170	-34980	-34090	-34090	-33900	-39660	-39660	-41520	-43410	-42770	-42770
.799	2.721	-35620	-34320	-34100	-33880	-42750	-42750	-44060	-46650	-45860	-45860
.796	5.301	-37720	-37350	-36560	-36940	-59940	-59940	-61000	-62350	-60800	-60800
.797	7.286	-38890	-38110	-37740	-37970	-56970	-56970	-59600	-60930	-61710	-61710
.798	8.328	-39030	-38240	-37480	-36960	-56600	-56600	-58320	-60040	-61820	-61820
.796	10.431	-38240	-37290	-36920	-37180	-42740	-42740	-43950	-45060	-42870	-42870
.797	12.298	-38970	-38560	-37820	-38090	-43290	-43290	-45240	-46300	-43340	-43340
.793	15.276	-44130	-43250	-43010	-43200	-48390	-48390	-50560	-51970	-51560	-51560
GRADIENT		.00053	.00025	.00014	.00035	.01000	.01000	.01116	.01342	.01962	.01618

RUN NO. 393/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.900	-4.957	-33960	-32990	-33460	-33560	-34390	-34390	-33850	-35180	-34420	-34420
.900	.113	-33870	-32110	-32940	-32750	-35760	-35760	-38050	-39870	-37330	-37330
.900	2.726	-33430	-33060	-33100	-32560	-39750	-39750	-41380	-43840	-41080	-41080
.902	5.316	-32340	-31760	-31550	-31150	-34300	-34300	-36080	-37630	-34430	-34430
.900	7.307	-31670	-31720	-31380	-31460	-32220	-32220	-34250	-35300	-25640	-25640
.899	8.305	-32850	-32570	-32350	-31830	-33520	-33520	-33880	-36040	-26270	-26270
.900	10.354	-33110	-32960	-32640	-33160	-36230	-36230	-37020	-38800	-27350	-27350
.901	12.374	-34230	-34070	-33730	-33640	-38180	-38180	-38930	-40600	-28040	-28040
.900	15.401	-37600	-37390	-37110	-36710	-41210	-41210	-42430	-44230	-27940	-27940
GRADIENT		.00062	.00016	.00054	.00134	.00639	.00639	.00959	.01100	.01802	.01433

DATE 10 MAR 80
OAI45 TABULATED FORCE DATA
AMES 118-1-11 OAI45A 01

(E2F028) (15 JUL 77)

REFERENCE DATA
SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA
BETA = .000 ELEVON = 20.000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 394/ 0		RN/L = 4.95		GRADIENT INTERVAL = -5.00/ 5.00	
MACH	ALPHA	CP225	CP228	CP231	CP234
.951	-4.975	-34830	-34720	-34300	-34280
.951	.136	-34020	-33530	-33350	-33740
.949	2.705	-34080	-33840	-33620	-33740
.950	5.247	-32870	-32310	-32080	-32950
.948	7.299	-33360	-32170	-32320	-33290
.950	8.324	-31850	-31430	-32020	-33180
.949	10.351	-32970	-32180	-31720	-31910
.950	12.400	-32800	-33080	-32970	-32850
.949	15.417	-35380	-35580	-35470	-35700
	GRADIENT	.00106	.00131	.00102	.00065

RUN NO. 428/ 0		RN/L = 5.00		GRADIENT INTERVAL = -5.00/ 5.00	
MACH	ALPHA	CP235	CP228	CP231	CP234
1.199	-5.058	-33370	-34000	-34040	-33840
1.201	.019	-32030	-32220	-32100	-31960
1.194	2.673	-32350	-32650	-32580	-32750
1.198	5.227	-32220	-32510	-32830	-32270
1.199	7.264	-32110	-32110	-32260	-32010
1.197	8.275	-31720	-31630	-32130	-32170
1.198	10.314	-31550	-31650	-31570	-31690
1.198	12.357	-32140	-32490	-32430	-32480
1.185	15.359	-35730	-36070	-35990	-35940
	GRADIENT	.00119	.00160	.00178	.00294

RUN NO. 427/ 0		RN/L = 4.99		GRADIENT INTERVAL = -5.00/ 5.00	
MACH	ALPHA	CP225	CP228	CP231	CP234
1.301	-4.964	-30760	-30950	-30720	-30730
1.299	.045	-30900	-31410	-31190	-31010
1.295	2.660	-31790	-31800	-31700	-31700
1.293	5.190	-31890	-32250	-32100	-32130
1.292	7.240	-31830	-32000	-31850	-31870
1.293	8.271	-31520	-31840	-31820	-31770
1.293	10.324	-32260	-32300	-32340	-32120
1.293	12.317	-33500	-33600	-33630	-33530
1.293	15.341	-33380	-33530	-33210	-33240
1.292	GRADIENT	.00121	.00109	.00124	.00118

RUN NO. 427/ 0		RN/L = 4.99		GRADIENT INTERVAL = -5.00/ 5.00	
MACH	ALPHA	CP245	CP246	CP243	CP240
1.301	-4.964	-29730	-29730	-29500	-29320
1.299	.045	-29790	-29790	-29280	-28760
1.295	2.660	-29830	-29830	-29460	-28760
1.293	5.190	-28770	-28770	-28220	-27950
1.292	7.240	-27780	-27780	-27340	-26930
1.293	8.271	-27370	-27370	-26970	-26370
1.293	10.324	-26210	-26210	-25730	-25170
1.293	12.317	-25210	-25210	-24850	-24230
1.293	15.341	-24100	-24100	-23670	-23170
1.292	GRADIENT	.00013	.00013	.00019	.00079

RUN NO. 427/ 0		RN/L = 4.99		GRADIENT INTERVAL = -5.00/ 5.00	
MACH	ALPHA	CP245	CP246	CP243	CP240
1.301	-4.964	-29730	-29730	-29500	-29320
1.299	.045	-29790	-29790	-29280	-28760
1.295	2.660	-29830	-29830	-29460	-28760
1.293	5.190	-28770	-28770	-28220	-27950
1.292	7.240	-27780	-27780	-27340	-26930
1.293	8.271	-27370	-27370	-26970	-26370
1.293	10.324	-26210	-26210	-25730	-25170
1.293	12.317	-25210	-25210	-24850	-24230
1.293	15.341	-24100	-24100	-23670	-23170
1.292	GRADIENT	.00013	.00013	.00019	.00079

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

PAGE 1682

(E2F028) (16 JUL 77)

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

BETA =
AILRON =
SPDBRK =
RN/L =

.000 ELEVON = 20.000
.000 BDFLAP = .000
25.000 RUDDER = .000
5.000

PARAMETRIC DATA

RUN NO. 416/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH
1.403
1.405
1.401
1.399
1.398
1.401
1.400
1.384
1.383
GRADIENT

CP225
-30200
-30220
-30570
-30640
-30890
-23150
-29650
-29850
-30340
-30010
-31670
-31330
-31400
-30068
-00043

CP231
-30310
-30100
-30340
-30770
-30870
-30850
-26950
-29680
-30230
-31810
-31570
-31090
-31120
-00068
-00082

CP237
-27830
-27370
-26780
-25400
-25400
-23690
-22730
-21580
-21600
-21600
-19520
-19520
-00131
-00131

CP246
-28020
-27610
-26960
-25890
-00000
-23240
-22110
-22340
-20250
-00131
-00844

CP12
-39710
-44510
-46080
-44540
-48820
-48800
-49030
-50130
-50040
-50960
-00844

CP13
-42900
-43870
-44950
-44540
-45520
-46260
-45190
-45350
-00257

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

BETA =
AILRON =
SPDBRK =
RN/L =

.000 ELEVON = -5.000
.000 BDFLAP = .000
25.000 RUDDER = .000
5.000

PARAMETRIC DATA

(E2F029) (16 JUL 77)

AMES 118-1-11 0A145A 01

RUN NO. 70/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH
.598
.598
.598
.598
.598
.598
.598
.598
.598
GRADIENT

CP225
-19670
-19640
-19530
-19870
-19920
-20230
-20110
-20640
-21160
-22660
-27700
-00078

CP231
-20090
-19490
-19080
-20060
-19940
-20020
-20950
-20480
-21090
-23060
-27920
-00171

CP237
-22140
-21690
-20320
-21050
-22580
-24330
-25430
-27090
-29590
-32590
-42360
-00449
-00449

CP246
-23130
-23290
-20770
-21530
-24010
-26390
-27780
-30460
-33900
-34440
-00643

CP12
-21120
-04730
-07110
-11720
-15630
-17160
-17710
-17990
-18240
-15140
-12810
-06320
-01522

CP13
-20430
-04190
-05710
-10410
-13360
-14670
-15000
-15260
-15140
-12810
-06320
-01522

DATE 10 MAR 80

OAI15 TABULATED FORCE DATA

PAGE 1583

(E2F029) (15 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 110/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH
 .797
 .798
 .801
 .799
 .799
 .799
 .796
 .797
 .796
 .798
 .797

ALPHA
 -10.060
 -4.647
 .088
 .323
 2.223
 5.185
 8.365
 10.544
 12.336
 15.472
 20.289
 GRADIENT

CP225
 -21360
 -20310
 -20170
 -20100
 -19840
 -19830
 -20880
 -22130
 -22800
 -26250
 -30200
 .00060

CP228
 -21570
 -20990
 -20210
 -20020
 -20420
 -20210
 -21440
 -21400
 -23180
 -25740
 -30140
 .00110

CP231
 -21080
 -20220
 -19610
 -20330
 -19930
 -20210
 -21350
 -21210
 -23200
 -26320
 -30140
 .00041

CP234
 -21360
 -20240
 -20400
 -20080
 -20440
 -20490
 -21310
 -22000
 -23070
 -26760
 -30880
 .00020

CP237
 -18360
 -18990
 -17900
 -18370
 -19380
 -19910
 -23590
 -26770
 -29590
 -36500
 -41600
 .00004

CP240
 -18360
 -18990
 -17900
 -18370
 -19380
 -19910
 -23590
 -26770
 -29590
 -36500
 -41600
 .00004

CP243
 -25230
 -23910
 -22960
 -22700
 -24090
 -26420
 -31500
 -32280
 -34690
 -43450
 -49910
 .00042

CP246
 -25740
 -25480
 -22470
 -22890
 -24320
 -27650
 -31950
 -32700
 -35750
 -41930
 -49470
 .00276

CP12
 -.12200
 -.02340
 .12240
 .13320
 .15880
 .19340
 .20960
 .22960
 .22600
 .21900
 .17190
 .02022

CP13
 -.10450
 -.02940
 .12030
 .12840
 .14570
 .17500
 .19520
 .19680
 .19440
 .18940
 .13700
 .01765

RUN NO. 91/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH
 .900
 .900
 .900
 .898
 .900
 .901
 .901
 .900
 .900

ALPHA
 -4.965
 .064
 2.601
 5.113
 8.188
 10.243
 12.311
 15.399
 20.535
 GRADIENT

CP225
 -21680
 -21010
 -20110
 -21060
 -21400
 -22110
 -23380
 -27140
 -31730
 .00197

CP228
 -21260
 -20770
 -20760
 -21130
 -21910
 -21670
 -23430
 -27290
 -32430
 .00070

CP231
 -21800
 -20840
 -21040
 -21480
 -21980
 -21720
 -23930
 -27960
 -32490
 .00113

CP234
 -21460
 -21200
 -20660
 -21420
 -22050
 -22540
 -24130
 -28080
 -32420
 .00098

CP237
 -24250
 -23690
 -26700
 -30140
 -34850
 -35960
 -39550
 -46760
 -52150
 .00263

CP240
 -24250
 -23690
 -26700
 -30140
 -34850
 -35960
 -39550
 -46760
 -52150
 .00263

CP243
 -24610
 -23620
 -27440
 -30780
 -34830
 -36270
 -39170
 -48040
 -52340
 .00294

CP246
 -25230
 -24140
 -27700
 -32070
 -35300
 -36490
 -39930
 -47570
 -51900
 .00250

CP12
 .08160
 .17380
 .20950
 .24640
 .26900
 .28070
 .28040
 .27550
 .23440
 .01711

CP13
 .08600
 .16460
 .19510
 .21760
 .23610
 .24280
 .24250
 .23790
 .19500
 .01459

PARAMETRIC DATA

BETA =
 AILRON =
 SPDBRK =
 RN/L =

ELEVON =
 BDFLAP =
 RUDDER =

.000
 .000
 25.000
 5.000

-5.000
 .000
 .000

OAI45 TABULATED FORCE DATA

AMES 11B-1-11 OAI45A 01

DATE 10 MAR 80

(E2F029) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = -5.000
 AILRON = .000 BDFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 64/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.951	-9.932	-23150	-22990	-22990	-23340	-27620	-27620	-27950	-29530	.02990	.05870
.947	-5.003	-23150	-23050	-22550	-22840	-28340	-28340	-28990	-30390	.12820	.13100
.949	.026	-22280	-22090	-22130	-22510	-26330	-26330	-27280	-27760	.21400	.19770
.950	2.560	-22950	-22700	-22710	-22510	-32230	-32230	-32700	-33180	.24760	.22360
.950	5.033	-23030	-22880	-22980	-22940	-33750	-33750	-34310	-34990	.27990	.24470
.951	7.150	-22380	-22770	-22690	-22180	-35550	-35550	-36600	-36990	.29790	.25870
.951	8.171	-22040	-22680	-22650	-22630	-37110	-37110	-37710	-37230	.30310	.26280
.952	10.241	-23220	-23900	-23710	-23420	-40130	-40130	-40010	-40480	.31190	.26660
.952	12.296	-25660	-25010	-25160	-25230	-43390	-43390	-42720	-43220	.31650	.27100
.950	15.368	-30230	-30280	-29730	-29750	-50220	-50220	-49230	-50130	.30560	.26130
.950	20.668	-33070	-32740	-33540	-34580	-53360	-53360	-53380	-53710	.27410	.23220
GRADIENT		-.00264	-.00241	-.00229	.00000	-.02329	-.02329	-.02139	-.02139	.01326	.01022

RUN NO. 245/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP235	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.052	-8.843	-27070	-27130	-27180	-26790	-28860	-28860	-28950	-28660	.33780	.31590
1.052	1.790	-28250	-28740	-28230	-28230	-29500	-29500	-29680	-29510	.36000	.33530
1.049	4.238	-28710	-28570	-28490	-28060	-29870	-29870	-29820	-29340	.38090	.35000
1.048	6.482	-28950	-29370	-28810	-29450	-30170	-30170	-29470	-30840	.40020	.36090
1.049	7.340	-29340	-29020	-29170	-29740	-31640	-31640	-30940	-31710	.40490	.36340
1.051	9.446	-30980	-31220	-30530	-31470	-33590	-33590	-31220	-32570	.41170	.36950
1.049	11.487	-33300	-33100	-33080	-32690	-36930	-36930	-33250	-34280	.41600	.36760
1.041	14.452	-35120	-35150	-35430	-34530	-40830	-40830	-35210	-38120	.40580	.35360
GRADIENT		-.00324	-.00288	-.00260	-.00254	-.00199	-.00199	-.00173	-.00136	.00848	.00672

RUN NO. 241/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.101	-8.816	-28150	-28360	-28180	-26450	-28560	-28560	-30580	-30470	.35930	.34060
1.101	1.716	-28840	-29210	-29230	-29330	-30210	-30210	-30790	-30630	.38090	.35540
1.093	4.235	-30170	-30060	-30930	-31250	-31930	-31930	-31590	-32270	.39930	.36800
1.096	6.313	-32360	-32030	-32090	-32590	-32590	-32590	-32960	-33360	.41800	.37950
1.099	7.313	-31950	-32470	-32210	-31970	-32840	-32840	-33260	-33240	.42300	.37930
1.100	9.393	-33380	-33990	-33620	-33860	-35370	-35370	-34370	-34900	.42250	.38100
1.100	11.453	-34940	-34560	-34940	-35000	-36930	-36930	-35050	-34940	.44140	.39140
1.102	14.565	-36280	-35890	-36200	-36110	-38600	-38600	-36280	-35230	.43530	.37860
GRADIENT		-.00536	-.00513	-.00554	-.00552	-.00665	-.00665	-.00199	-.00355	.00789	.00540

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.
LREF	=	474.8100	INCHES
BREF	=	936.6800	INCHES
SCALE	=	.0500	

1076.6800	IN.	X0
.0000	IN.	Y0
375.0000	IN.	Z0

BETA
AILRON
SPOBRK
RN/L

ELEVON	=	-5.000
BDFLAP	=	.000
RUDDER	=	.000

PARAMETRIC DATA

5,000
5,000
5,000
5,000

RUN NO.	85/ 0	RN/L = 5.01	GRADIENT INTERVAL = -5.00/ 5.00
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[illegible]

RUN NO.	76/ 0	RN/L =	5.07	GRADIENT INTERVAL =	-5.00/	5.00
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MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP246	CP12	CP13
1.303	-5.142	-27950	-27870	-27770	-27860	-28770	-28770	-29610	38200	40110
1.300	-1.188	-29100	-29390	-29250	-29540	-30500	-30500	-30900	40420	40470
1.300	2.457	-29820	-30270	-30040	-30140	-31550	-31550	-32170	43100	40440
1.294	4.939	-31350	-31020	-31200	-31060	-33300	-33300	-33740	45220	39890
1.296	7.015	-32160	-32090	-32030	-32100	-35760	-35760	-35670	46020	40030
1.295	8.034	-32510	-32440	-32540	-32550	-36780	-36780	-36780	46490	40670
1.296	10.096	-33200	-33060	-33200	-33280	-37870	-37870	-37430	45880	40110
1.295	12.158	-34390	-34050	-34290	-34220	-37860	-37860	-36930	46330	40250
1.293	15.304	-35550	-35600	-35760	-35620	-38930	-38930	-38540	47430	40800
1.293	20.371	-33260	-33390	-33330	-33330	-37590	-37590	-36610	46490	40900
1.288	GRADIENT	-00437	-00318	-00379	-00296	-00545	-00545	-00553	00937	-00112

RUN NO. 148/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.402	-4.954	-27540	-27440	-27620	-27540	-29170	-29170	-30000	-30280	.40230	.43470
1.404	.191	-29460	-29700	-29490	-29580	-30850	-30850	-32070	-31620	.44540	.45840
1.403	2.735	-29920	-29920	-29910	-30010	-31540	-31540	-32290	-32080	.46070	.45800
1.401	5.256	-31020	-30830	-30870	-30910	-31320	-31320	-31960	-31870	.50140	.45950
1.402	7.336	-31630	-31720	-31590	-31820	-32120	-32120	-33000	-32680	.48880	.46520
1.403	8.355	-31730	-31660	-31870	-31810	-32260	-32260	-32800	-32940	.49150	.46560
1.403	10.435	-32520	-32600	-32640	-32670	-32610	-32610	-33270	-33270	.51520	.46530
1.400	12.498	-32950	-32980	-32980	-33020	-32640	-32640	-33720	-33590	.50650	.46690
GRADIENT	.00319	-.00340	-.00307	-.00332	-.00331	-.00311	-.00311	-.00313	-.00238	.00771	.00326

OAI45 TABULATED FORCE DATA

AMES 118-1-11 OAI45A 01

DATE 10 MAR 80

(E2F030) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

BETA = .000
AILRON = .000
SPOBRK = 25.000
RN/L = 5.000
ELEVON = -10.000
BDFLAP = .000
RUDDER = .000

RUN NO. 71/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.597	-9.919	-23220	-20600	-20120
.598	-5.037	-23880	-04280	-04160
.597	-0.055	-21500	.07050	.05620
.598	2.472	-21710	.11840	.10420
.598	4.970	-22820	.15670	.13480
.597	7.018	-24390	.17390	.14830
.597	8.039	-25390	.17680	.15100
.597	10.092	-26880	.18080	.15280
.597	12.156	-29710	.18010	.15060
.597	15.217	-32540	.15740	.12990
.597	19.969	-39110	.09380	.06820
	GRADIENT	-00242	.01716	.01565

RUN NO. 111/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.794	-9.977	-20030	-12370	-10470
.798	-4.826	-19340	.01620	.02340
.799	.315	-19450	.12840	.12530
.799	2.772	-20760	.16340	.15310
.799	5.393	-20690	.19940	.17790
.798	8.533	-26500	.21170	.19640
.797	10.427	-25790	.22590	.19700
.798	12.508	-28350	.22950	.19820
.797	15.579	-34800	.21920	.18670
.797	20.034	-40440	.17280	.13860
	GRADIENT	-00162	.01975	.01749

RUN NO. 90/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.902	-4.920	-22680	.08500	.09300
.901	.112	-21240	.17820	.17070
.900	2.636	-24610	.21200	.19660
.899	5.190	-29900	.24650	.21510
.900	8.267	-32280	.26930	.23390
.899	10.322	-33970	.27910	.23720
.898	12.392	-37780	.27960	.23760
.899	15.478	-45230	.27440	.23560
.896	20.509	-50130	.23260	.19440
	GRADIENT	-00178	.01705	.01396

0A145 TABULATED FORCE DATA
AMES 118-1-11 0A145A 01

(E2F030) (05 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 BOFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 65/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.950	-9.889	-.24220	.03180	.05840
.951	-5.036	-.23680	.13440	.13650
.948	.010	-.21300	.21590	.19820
.950	2.542	-.25430	.24780	.22400
.951	5.061	-.28620	.28360	.24930
.951	7.132	-.33150	.29670	.25750
.950	8.148	-.34120	.30270	.26250
.951	10.215	-.35870	.31030	.26610
.950	12.285	-.40300	.31310	.27090
.950	15.313	-.47300	.30960	.26290
.951	20.630	-.52770	.27620	.22510
	GRADIENT	-.01631	.01260	.01019

RUN NO. 246/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
1.051	-.745	-.26560	.33420	.31490
1.055	1.901	-.25610	.36460	.34060
1.050	4.209	-.28530	.38060	.34980
1.047	6.441	-.29410	.39890	.35910
1.049	7.299	-.30060	.40480	.36280
1.044	9.400	-.32270	.40620	.36510
1.045	11.240	-.36330	.41180	.36460
1.045	14.580	-.39570	.41410	.36180
	GRADIENT	-.00379	.00942	.00711

RUN NO. 240/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
1.102	-5.846	-.29300	.29080	.29580
1.103	-1.331	-.28080	.36040	.33710
1.103	-.849	-.28010	.36280	.34260
1.105	1.191	-.28050	.37860	.35480
1.103	1.722	-.26690	.38160	.35500
1.099	4.287	-.29670	.40340	.36790
1.101	7.358	-.31180	.42180	.37890
1.100	9.369	-.33600	.42640	.38430
1.101	11.451	-.36050	.43940	.39230
1.094	14.561	-.39220	.44090	.38720
	GRADIENT	-.00215	.00768	.00530

DATE 10 MAR 80

OAI145 TABULATED FORCE DATA

PAGE 1688

AMES 118-1-11 OAI145A 01

(E2F030) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
AILRON = .000 BDFLAP = .000
SPDRK = 25.000
RN/L = 5.000 RUDDER = .000

RUN NO.	84/ 0	MACH	ALPHA	RN/L = 5.04	GRADIENT INTERVAL =	-5.00/ 5.00
					CP240	CP12
					CP13	
		1.199	-4.740		-.22460	.33570
		1.200	.260		-.24030	.38530
		1.204	2.811		-.27400	.40310
		1.200	5.369		-.28890	.41990
		1.199	8.447		-.31330	.42920
		1.197	10.524		-.35670	.43450
		1.198	12.584		-.37410	.44330
		1.202	15.689		-.39300	.44630
		1.197	21.028		-.42560	.42820
			GRADIENT		-.00607	.00906

RUN NO.	77/ 0	MACH	ALPHA	RN/L = 5.04	GRADIENT INTERVAL =	-5.00/ 5.00
					CP240	CP12
					CP13	
		1.293	-5.160		-.25000	.37360
		1.307	-.167		-.29010	.40990
		1.300	2.403		-.30200	.43480
		1.295	4.971		-.32100	.45430
		1.295	7.011		-.34330	.46140
		1.296	8.027		-.35310	.46560
		1.295	10.092		-.37830	.46130
		1.291	12.163		-.38280	.46270
		1.294	15.274		-.39790	.47580
		1.287	20.524		-.37710	.46510
			GRADIENT		-.00601	.00864

RUN NO.	147/ 0	MACH	ALPHA	RN/L = 4.98	GRADIENT INTERVAL =	-5.00/ 5.00
					CP240	CP12
					CP13	
		1.402	-4.996		-.28450	.40270
		1.403	.131		-.31750	.44480
		1.402	2.765		-.31250	.46600
		1.400	5.218		-.31330	.49440
		1.400	7.302		-.32530	.48900
		1.402	8.316		-.32700	.49110
		1.403	10.413		-.33650	.51270
		1.397	12.522		-.33650	.50670
			GRADIENT		-.00399	.00816

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

AMES 118-1-11 0A145A 01

(E2FY30) (19 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

RUN NO. 0/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

BETA =
AILRON =
SPDBRK =
RN/L =

ELEVON =
BOFLAP =
RUDDER =

.000
.000
25.000
5.000

-10.000
.000
.000

PARAMETRIC DATA

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.597	-9.919	-18610	-18890	-18510	-18770	-22220	-22220	-22480	-23510	-20500	-20120
.598	-5.037	-18290	-18460	-18600	-18460	-23880	-23880	-24620	-25510	-04280	-04160
.597	-0.055	-18540	-18540	-18370	-19060	-21600	-21600	-21840	-22300	-07050	-05620
.598	2.472	-19160	-18850	-18920	-18920	-21710	-21710	-22070	-22170	-11840	-10420
.598	4.970	-19180	-19440	-19510	-19540	-22820	-22820	-23690	-23650	-15670	-13480
.597	7.018	-19680	-19420	-19840	-19230	-24390	-24390	-25270	-25940	-17390	-14830
.597	8.039	-19830	-19620	-19660	-19900	-25390	-25390	-26280	-26970	-17680	-15100
.597	10.092	-20070	-19520	-20470	-20020	-26880	-26880	-28200	-29200	-18080	-15280
.597	12.156	-20920	-21540	-21780	-20940	-29710	-29710	-30480	-32890	-18010	-15060
.597	15.217	-23150	-22600	-23320	-22250	-32540	-32540	-32920	-33450	-15740	-12990
.597	19.969	-27100	-27080	-27410	-27390	-39110	-39110	-39420	-39320	-09380	-06820
GRADIENT		-00128	-00179	-00227	-00095	-00242	-00242	-00368	-00308	-01716	-01565

RUN NO. 0/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.794	-9.977	-19840	-19880	-20280	-19880	-20030	-20030	-23050	-24320	-12370	-10470
.798	-4.826	-19960	-19900	-19640	-19600	-19340	-19340	-24580	-26430	-02340	-02340
.799	.315	-19920	-19480	-19350	-19730	-19450	-19450	-22940	-23120	-12840	-12530
.799	2.772	-19790	-19280	-19830	-19750	-20760	-20760	-24160	-24650	-16340	-15310
.799	5.393	-19800	-19980	-19410	-19750	-20690	-20690	-26370	-26770	-19940	-17790
.798	8.533	-20090	-20570	-20400	-20170	-26500	-26500	-32050	-32670	-21170	-19640
.797	10.427	-20500	-20820	-20990	-20750	-25790	-25790	-32080	-32350	-22590	-19700
.798	12.508	-20990	-21780	-21630	-21760	-28350	-28350	-34490	-34680	-22950	-19820
.797	15.579	-25010	-24380	-25590	-25820	-34800	-34800	-41310	-41630	-21920	-18670
.797	20.034	-28630	-29100	-29240	-29820	-40440	-40440	-47260	-47440	-17280	-13860
GRADIENT		-00020	-00082	-00013	-00021	-00162	-00162	-00096	-00297	-01975	-01749

RUN NO. 0/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.902	-4.920	-19630	-19860	-19710	-20340	-22680	-22680	-22680	-23380	-08500	-09300
.901	.112	-19990	-20260	-20010	-19950	-21240	-21240	-17070	-22110	-08500	-09300
.900	2.636	-20590	-20230	-20370	-19860	-24610	-24610	-25320	-26300	-21200	-19680
.899	5.190	-20800	-20260	-20480	-20740	-29900	-29900	-30940	-26300	-24650	-21510
.900	8.267	-20570	-20980	-20980	-20640	-32280	-32280	-33000	-32610	-26930	-23390
.899	10.322	-21310	-21100	-21440	-21890	-33970	-33970	-33610	-34070	-27910	-23720
.898	12.392	-23240	-22780	-23100	-23190	-37780	-37780	-38560	-38290	-27960	-23760
.899	15.478	-25590	-26390	-26270	-26530	-45230	-45230	-46510	-46510	-27440	-23560
.896	20.509	-31810	-31570	-31470	-32270	-50130	-50130	-50620	-51140	-23260	-19440
GRADIENT		-00119	-00053	-00083	-00066	-00178	-00178	-00277	-00296	-01705	-01396

OAI45 TABULATED FORCE DATA
AMES 118-1-11 OAI45A 01

DATE 10 MAR 80

(E2FY30) (19 JUL 77)

PARAMETRIC DATA

BETA = .000
ELEVON = -10.000
AILRON = .000
BDFLAP = .000
SPDRK = 25.000
RUDDER = 5.000
RN/L =

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500
XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

RUN NO.		0 / 0		RN/L = 5.00		GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.950	-9.889	-21770	-21270	-20990	-21070	-24220	-24220	-25040	-25730	.03180	.05840
.951	-5.036	-20890	-21120	-20870	-20540	-23680	-23680	-25020	-25600	.13440	.13650
.948	.010	-20160	-20640	-20560	-20230	-21300	-21300	-21240	-21740	.21590	.19820
.950	2.542	-21110	-21260	-21190	-21160	-25430	-25430	-25390	-26090	.24780	.22400
.951	5.061	-20740	-20990	-21570	-20290	-28620	-28620	-29420	-29520	.28360	.24930
.951	7.132	-21320	-21490	-21560	-21450	-33150	-33150	-33650	-34510	.29670	.25750
.950	8.148	-21690	-21360	-22560	-21590	-34120	-34120	-34740	-34750	.30270	.26250
.951	10.215	-22360	-22590	-24530	-21730	-35870	-35870	-36250	-36610	.31030	.26610
.950	12.285	-24530	-24430	-26990	-24500	-40300	-40300	-41330	-42160	.31310	.27090
.950	15.313	-27060	-27170	-32460	-27120	-47300	-47300	-47450	-48620	.30960	.26290
.950	20.630	-32000	-31750	-32460	-33000	-52770	-52770	-51990	-53560	.27620	.22510
GRADIENT		-.00375	-.00245	-.00280	-.00367	-.01631	-.01631	-.01639	-.01718	.01260	.01019

RUN NO.		0 / 0		RN/L = 4.99		GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.102	-5.846	-27020	-26740	-26560	-26770	-29300	-29300	-32080	-30850	.29080	.29680
1.103	-1.331	-26290	-25770	-25570	-25530	-28080	-28080	-30340	-30410	.36040	.33710
1.103	-.849	-26290	-26050	-25810	-25720	-28010	-28010	-30170	-29650	.36280	.34260
1.105	1.191	-26450	-26410	-26170	-26420	-28050	-28050	-29740	-29560	.37860	.35480
1.103	1.722	-26950	-26710	-26510	-26880	-26690	-26690	-29880	-30510	.38160	.35500
1.099	4.287	-28640	-28130	-28910	-29190	-29670	-29670	-30700	-30930	.40340	.36790
1.101	7.358	-30220	-30800	-30400	-30200	-31180	-31180	-32650	-31830	.42180	.37890
1.100	9.369	-32630	-32740	-32590	-33020	-33600	-33600	-33790	-33780	.42640	.38430
1.101	11.451	-34850	-34700	-34760	-35140	-36050	-36050	-34990	-34610	.43940	.39230
1.101	14.561	-37030	-37050	-37030	-36750	-39220	-39220	-37150	-36620	.44090	.38720
1.094	GRADIENT	-.00407	-.00559	-.00563	-.00633	-.00215	-.00215	-.00052	-.00150	.00768	.00530

RUN NO.		0 / 0		RN/L = 5.04		GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.199	-4.740	-25980	-26170	-25940	-25970	-22460	-22460	-22530	-22490	.33570	.35180
1.200	.260	-26750	-26980	-26750	-26720	-24030	-24030	-23620	-23090	.38530	.36580
1.204	2.811	-28210	-28280	-28160	-28100	-27400	-27400	-27310	-27340	.40310	.37130
1.200	5.369	-29760	-29750	-29630	-29600	-28890	-28890	-28870	-28670	.41990	.37220
1.199	8.447	-31000	-31280	-31360	-31330	-31330	-31330	-31170	-30800	.42920	.37770
1.197	10.524	-32610	-32320	-32580	-32950	-35670	-35670	-35500	-34870	.43450	.38120
1.198	12.584	-32740	-32300	-32640	-32570	-37410	-37410	-37150	-37430	.44330	.38300
1.202	15.689	-33020	-33070	-33270	-33360	-39300	-39300	-39410	-39220	.44630	.38610
1.197	21.028	-36550	-36410	-36440	-36640	-42560	-42560	-42660	-42320	.42820	.36800
	GRADIENT	-.00276	-.00263	-.00276	-.00264	-.00607	-.00607	-.00576	-.00570	.00906	.00261

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = 0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
 AILRON = .000 BOFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 0/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.293	-5.160	-25940	-26030	-25650	-25950	-25000	-25000	-25170	-25590	.37360	.39330
1.307	-1.167	-28400	-28340	-28170	-28370	-29010	-29010	-29200	-29280	.40990	.41030
1.300	2.403	-30170	-30050	-29670	-29860	-30200	-30200	-30320	-30500	.43480	.40970
1.295	4.971	-31150	-31310	-30850	-30740	-32100	-32100	-32270	-32420	.45430	.39960
1.295	7.011	-32790	-32530	-32460	-32350	-34330	-34330	-34110	-34460	.46140	.40080
1.295	8.027	-33050	-33040	-32900	-32860	-35310	-35310	-35400	-35850	.46560	.40260
1.295	10.092	-33900	-33720	-33670	-33470	-37830	-37830	-37540	-37680	.46130	.40210
1.291	12.163	-35040	-34860	-35040	-35270	-38280	-38280	-38430	-38050	.46270	.40070
1.294	15.274	-36200	-36490	-36380	-36520	-39790	-39790	-39540	-39540	.47580	.40990
1.287	20.524	-33220	-33190	-33190	-33140	-37710	-37710	-37310	-37160	.46510	.40930
	GRADIENT	-00535	-00578	-00522	-00461	-00601	-00601	-00597	-00611	.00864	-.00208

RUN NO. 0/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.402	-4.996	-25590	-25510	-25350	-25510	-28450	-28450	-29600	-29070	.40270	.42970
1.403	.131	-29070	-28840	-28810	-28920	-31750	-31750	-32490	-32480	.44480	.45620
1.402	2.765	-30080	-29880	-29920	-29840	-31250	-31250	-32780	-32540	.46600	.45850
1.402	5.218	-31090	-30520	-30560	-30400	-31330	-31330	-32130	-32540	.49440	.45960
1.400	7.302	-31990	-32020	-32030	-31870	-32530	-32530	-32960	-33230	.48900	.46410
1.402	8.316	-32340	-32190	-32280	-32190	-32700	-32700	-33200	-33310	.49110	.46610
1.403	10.413	-33370	-33000	-33030	-33130	-33650	-33650	-33930	-33350	.51270	.46480
1.397	12.522	-34170	-34000	-34130	-34030	-33650	-33650	-34490	-34670	.50670	.46610
	GRADIENT	-00592	-00575	-00601	-00573	-00399	-00399	-00431	-00477	.00816	.00391

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA
AMES 118-1-11 OAI45A 01

PAGE 1692
(E2F031) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

BETA =
AILRON =
SPDBRK =
RN/L =

ELEVON = -20.000
BOFLAP = .000
RUDDER = .000

PARAMETRIC DATA

MACH		ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.600	.600	-4.979	-18450	-18890	-19170	-18840	-30920	-30920	-31730	-32990	-04420	-04280
.602	.602	2.039	-18510	-18950	-18460	-18320	-24090	-24090	-24480	-24800	.07650	.06410
.601	.601	5.084	-19780	-18580	-18550	-19130	-23090	-23090	-23040	-23690	.11680	.10100
.601	.601	7.127	-20010	-19170	-19240	-19430	-23580	-23580	-23650	-23930	.14810	.12830
.601	.601	8.154	-20160	-19860	-19680	-19860	-24120	-24120	-24350	-24880	.16340	.14180
.600	.600	10.184	-20730	-20150	-20400	-20120	-25390	-25390	-25300	-25580	.16520	.14070
.600	.600	12.266	-20810	-20320	-20600	-20490	-26440	-26440	-26690	-27160	.17910	.14590
.598	.598	15.311	-21440	-21230	-21920	-21950	-29140	-29140	-29540	-29770	.17390	.13990
		GRADIENT	-23840	-23680	-23330	-23100	-33170	-33170	-33560	-33080	.15180	.11650
			.00153	.00058	.00079	.00019	.01078	.01078	.01188	.01283	.02163	.01929

MACH		ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.802	.802	-5.027	-19760	-18960	-19440	-19390	-26100	-26100	-26160	-27020	.02410	.02340
.801	.801	.078	-19690	-19230	-18840	-19620	-21020	-21020	-20960	-21090	.12760	.10990
.802	.802	2.515	-20110	-19040	-19260	-19780	-21260	-21260	-21440	-21090	.16110	.13900
.801	.801	5.127	-20160	-19180	-19490	-20120	-21840	-21840	-22180	-22360	.19440	.16770
.799	.799	7.197	-21610	-20810	-20440	-20810	-23940	-23940	-24290	-25220	.21130	.17840
.799	.799	8.235	-21150	-21020	-21020	-20850	-26600	-26600	-26620	-28020	.21610	.18240
.797	.797	10.465	-22360	-21840	-21650	-22170	-29160	-29160	-29200	-29330	.22400	.18190
.797	.797	12.425	-22040	-22790	-22380	-22470	-30040	-30040	-30470	-30350	.22830	.18220
.800	.800	15.474	-23760	-23260	-24170	-23950	-35760	-35760	-35340	-35350	.21690	.17170
		GRADIENT	-00172	.00078	.00172	.00066	.00099	.00099	.00197	.00057	.01375	.01194

MACH		ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.901	.901	-5.058	-21380	-21190	-21450	-21780	-28430	-28430	-28550	-29350	.07350	.08380
.902	.902	.017	-20460	-20480	-20680	-20460	-22570	-22570	-22450	-22470	.17100	.15770
.908	.908	2.551	-19660	-19830	-19540	-19680	-22700	-22700	-22220	-22210	.21180	.19360
.902	.902	5.075	-21310	-21120	-21360	-20910	-25170	-25170	-25530	-25750	.23420	.21010
.902	.902	7.141	-21580	-21220	-21360	-21590	-26500	-26500	-26480	-26990	.25380	.22140
.899	.899	8.190	-21830	-21810	-21620	-21590	-27590	-27590	-27490	-28340	.25710	.22660
.901	.901	10.306	-22050	-22530	-22500	-23060	-29310	-29310	-28840	-30220	.27160	.23300
.901	.901	12.337	-24900	-24140	-24560	-24570	-32640	-32640	-33000	-33460	.27500	.23250
.901	.901	15.364	-25240	-24570	-25950	-26010	-41770	-41770	-42310	-42310	.27240	.22250
.900	.900	GRADIENT	.00312	.00253	.00444	.00304	.00051	.00051	.00090	.00101	.01589	.01398

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

PAGE 1694

AMES 118-1-11 OAI45A 01

(E2F031) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA =
AILRON =
SPDBRK =
RN/L =
ELEVON = -20.000
BDFLAP = .000
RUDDER = .000
25.000
5.000

RUN NO. 417/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.385	-5.007	-22030	-21640	-21500	-21790	-21250	-21250	-21060	-20970	.40490	.43550
1.391	.056	-23480	-23430	-23400	-23330	-20980	-20980	-20290	-20380	.44100	.44150
1.389	2.615	-25260	-25000	-24860	-24900	-21790	-21790	-21530	-21080	.45840	.44720
1.388	5.126	-27140	-26870	-26810	-26750	-23930	-23930	-23740	-23480	.48170	.44350
1.387	7.254	-28030	-27300	-27450	-27310	-25260	-25260	-25060	-24630	.48660	.45140
1.386	8.294	-27940	-27870	-27630	-27310	-25890	-25890	-25630	-25510	.49250	.45730
1.382	10.341	-29050	-28680	-28870	-28850	-28730	-28730	-28780	-28410	.50320	.44710
1.380	12.361	-31580	-31130	-31070	-31210	-31250	-31250	-31250	-31230	.50350	.44340
1.383	15.399	-34080	-33290	-33250	-33370	-33660	-33660	-33830	-33790	.50840	.45300
	GRADIENT	-00696	-00614	-00571	-00614	-00317	-00317	-00485	-00274	.00680	.00223

AMES 118-1-11 OAI45A 01

(E2F032) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA =
AILRON =
SPDBRK =
RN/L =
ELEVON = -30.000
BDFLAP = .000
RUDDER = .000
25.000
5.000

RUN NO. 406/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.600	-4.915	-19350	-19260	-19610	-19610	-28380	-28380	-28350	-29300	-.04080	-.04200
.600	.061	-19240	-19050	-19080	-19220	-22870	-22870	-22520	-22960	.07850	.06290
.598	2.671	-19740	-19480	-19530	-19390	-21200	-21200	-21240	-21270	.12020	.10370
.599	4.993	-20490	-20210	-20320	-20110	-21840	-21840	-21530	-21790	.14810	.12760
.599	6.990	-20930	-20140	-20460	-20250	-22160	-22160	-21860	-22420	.16370	.14290
.598	7.990	-21730	-20940	-21220	-21590	-23360	-23360	-23180	-23830	.16760	.14270
.598	10.103	-21970	-21390	-21990	-22270	-24670	-24670	-24970	-24850	.17570	.14700
.598	11.990	-22690	-22160	-22110	-22720	-27700	-27700	-28050	-28630	.17780	.14240
.596	15.027	-24010	-23400	-23710	-23640	-31770	-31770	-31590	-32170	.15820	.12090
	GRADIENT	-00106	-00086	-00060	-00036	-00713	-00713	-00728	-00810	.01937	.01746

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

(E2F032) (16 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = -30.000
 AILRON = .000 BOFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 410/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.800	-5.011	-20770	-20120	-20730	-20440	-24910	-24910	-25760	-25590	.02300	.02410
.799	.051	-19540	-18960	-19370	-19520	-20980	-20980	-21050	-20590	.13040	.11120
.801	2.562	-19570	-19420	-19000	-19570	-21160	-21160	-19750	-19710	.16650	.14420
.799	5.077	-20710	-20150	-20150	-20540	-22140	-22140	-21280	-21050	.19550	.16760
.800	7.135	-21430	-21300	-21530	-21380	-22140	-22140	-22910	-21890	.20750	.17300
.799	8.176	-22060	-21750	-21250	-22080	-23170	-23170	-26990	-22820	.21620	.18390
.798	10.260	-23010	-22590	-22610	-23110	-27210	-27210	-26990	-27230	.22630	.18450
.797	12.328	-23170	-22350	-23620	-23880	-29660	-29660	-29950	-29940	.23070	.18470
.797	15.372	-24800	-24770	-24630	-25400	-32680	-32680	-32920	-33200	.21750	.17580
	GRADIENT	-20012	-200183	.00147	-200020	.00410	.00410	.00518	.00350	.01438	.01314

RUN NO. 391/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.900	-5.355	-22780	-22950	-22660	-22830	-28950	-28950	-28260	-28840	.07340	.08310
.901	.027	-21900	-22130	-21900	-21950	-23740	-23740	-23520	-23310	.17400	.16300
.903	2.544	-22580	-22290	-22220	-22120	-22840	-22840	-22520	-22870	.21170	.19260
.903	5.069	-22540	-22510	-21910	-22030	-23030	-23030	-23150	-23510	.24020	.21470
.902	7.149	-22540	-22950	-22860	-22570	-24830	-24830	-24960	-24430	.25510	.22430
.900	8.195	-22810	-22830	-23250	-23240	-26040	-26040	-25510	-26120	.26100	.23170
.897	10.245	-23880	-23630	-24390	-24030	-26380	-26380	-26830	-28910	.26630	.23140
.900	12.334	-24620	-24090	-24380	-24410	-29810	-29810	-30490	-30070	.27500	.23260
.900	15.369	-26260	-25800	-27090	-27510	-33820	-33820	-33720	-34250	.27570	.22720
	GRADIENT	-200270	-200064	-200127	-200068	.00358	.00358	.00397	.00175	.01498	.01172

RUN NO. 396/ 0 RN/L = 4.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.948	-5.067	-23830	-23380	-23750	-23550	-27420	-27420	-26960	-27330	.11820	.12950
.949	-4.312	-22560	-22850	-22920	-23250	-26640	-26640	-26450	-26480	.13250	.14050
.950	.014	-22440	-23050	-23210	-22970	-23210	-23210	-23180	-23160	.20910	.19640
.952	2.537	-23230	-23390	-23010	-23130	-23100	-23100	-23290	-23160	.24440	.22240
.952	5.068	-23370	-22920	-23170	-22910	-23870	-23870	-23720	-23690	.26790	.24020
.952	7.127	-23570	-23270	-22930	-23470	-25020	-25020	-24210	-24360	.28810	.25270
.949	8.181	-23680	-24020	-24100	-24070	-26180	-26180	-25950	-25870	.28980	.25750
.948	10.257	-24790	-25170	-25110	-27730	-27730	-27730	-28220	-28140	.29990	.26040
.950	12.340	-25840	-25630	-25690	-25690	-30320	-30320	-31250	-30660	.30660	.26350
.948	15.388	-28190	-28450	-28600	-28770	-35180	-35180	-35330	-34800	.30540	.25330
	GRADIENT	-200084	-200075	-200019	-200023	.00547	.00547	.00493	.00515	.01649	.01206

(E2F032) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

BETA = .000 ELEVON = -30.000
AILRON = .000 BOFLAP = .000
SPOBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 430/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.199	-5.156	-24550	-23590	-23220	-23170	-19250	-19250	-18800	-18870	.33140	.34210
1.216	-.053	-26670	-25860	-25670	-25610	-21720	-21720	-20980	-20720	.38900	.35970
1.207	2.542	-28750	-27990	-27930	-27930	-21880	-21880	-21110	-20780	.40410	.36040
1.200	5.103	-30050	-29610	-29500	-29590	-23270	-23270	-23380	-22090	.41550	.36180
1.199	7.185	-31160	-30520	-30440	-30750	-24400	-24400	-23590	-23470	.42650	.36300
1.199	8.259	-31590	-31090	-30990	-31230	-25630	-25630	-24870	-24500	.42860	.36630
1.195	10.284	-32650	-32250	-32250	-32050	-28200	-28200	-27800	-27730	.43580	.36550
1.193	12.245	-31650	-31210	-31490	-31550	-29450	-29450	-29430	-29080	.43740	.36440
1.187	15.258	-34140	-33020	-33350	-33520	-33120	-33120	-33600	-33690	.43370	.35920
	GRADIENT	-.00801	-.00821	-.00871	-.00894	-.00062	-.00062	-.00050	-.00023	.00582	.00027

RUN NO. 425/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.297	-5.074	-23500	-22400	-22400	-22250	-20190	-20190	-19850	-20000	.37620	.38600
1.295	-.059	-26120	-25290	-25360	-25110	-23080	-23080	-22450	-22770	.40580	.38980
1.298	2.504	-27600	-27220	-27010	-26890	-22570	-22570	-22450	-22090	.42840	.38920
1.297	5.048	-28900	-28090	-28450	-28520	-23760	-23760	-23470	-22930	.44400	.38620
1.295	7.132	-30440	-29910	-29930	-29820	-25100	-25100	-24350	-24150	.45430	.38820
1.296	8.194	-31080	-30420	-30450	-30740	-25760	-25760	-25050	-24860	.45730	.39170
1.293	10.286	-32350	-32000	-32040	-32140	-28910	-28910	-28350	-28060	.46770	.38710
1.297	12.301	-32810	-32710	-32740	-32770	-30690	-30690	-30480	-30290	.46690	.38950
1.295	15.339	-37400	-24640	-26600	-22230	-36350	-36350	-36360	.00000	.47120	.39410
	GRADIENT	-.00577	-.00753	-.00644	-.00695	.00199	.00199	.00187	.00265	.00882	-.00023

RUN NO. 424/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.400	-5.098	-21650	-20750	-20770	-20660	-19800	-19800	-19470	-19550	.40230	.43130
1.405	-.047	-24920	-24580	-24610	-24570	-21240	-21240	-20890	-20880	.44590	.44030
1.405	2.518	-26660	-26310	-26270	-26200	-22570	-22570	-22030	-20590	.46060	.44690
1.403	5.044	-28060	-27620	-27520	-27520	-22570	-22570	-22030	-21840	.48040	.44770
1.401	7.129	-28940	-28600	-28510	-28360	-23570	-23570	-23010	-22610	.49590	.45260
1.400	8.183	-29700	-29590	-29540	-29520	-24030	-24030	-23400	-23200	.48980	.46270
1.398	10.240	-30750	-30310	-30510	-30480	-26600	-26600	-25970	-25890	.50210	.45290
1.399	12.285	-30640	-30310	-30360	-30540	-28250	-28250	-27960	-27650	.50220	.45080
1.400	15.327	-34100	-33670	-33700	-33710	-33010	-33010	-33020	-32830	.50840	.45990
	GRADIENT	-.00678	-.00674	-.00647	-.00635	-.00078	-.00078	.00035	.00113	.00573	.00335

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

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(E2F033) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
AILRON = .000 BOFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 261/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP240	CP12	CP13
.600	-30.001	-.21640	.17260	.16060
.599	-19.959	-.24220	.17550	.15990
.600	-15.001	-.24910	.17490	.16080
.599	-9.929	-.24790	.17190	.15660
.599	-5.990	-.23230	.17400	.15720
.599	-3.980	-.22730	.17790	.16060
.599	-1.972	-.22640	.17310	.15970
.599	.015	-.22340	.17600	.16280
.599	1.964	-.23320	.17890	.16000
.599	3.939	-.24570	.17860	.16270
.599	5.890	-.26910	.17370	.16230
.599	9.908	-.30670	.17470	.16120
.599	14.678	-.33860	.18060	.16320
	GRADIENT	-.00220	.00036	.00028

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

AMES 118-1-11 0A145A 01

(EF034) (06 MAR 80)

REFERENCE DATA

SREF = 2630.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 BETA = .000
 AILRON = .000 BDFLAP = .000
 SPOBRK = .000 RUDDER = .000
 RN/L = 5.000

RUN NO. 58/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP240	CP12	CP13
.599	-10.101	-.21950	.16250	.13840
.599	-8.095	-.22540	.15850	.13510
.599	-6.046	-.22700	.15880	.13510
.599	-4.011	-.22930	.15910	.13390
.598	-2.987	-.24000	.15210	.12830
.598	-2.017	-.23570	.15790	.13280
.598	-.991	-.23830	.15730	.13260
.598	-.075	-.24040	.15810	.13300
.597	.975	-.24650	.15760	.13490
.597	1.975	-.25570	.15910	.13460
.597	2.954	-.26380	.15830	.13770
.597	3.935	-.28330	.15920	.13320
.597	5.909	-.31000	.15990	.13390
.597	8.130	-.34010	.16020	.13540
.598	10.064	-.35610	.16100	.13980
	GRADIENT	-.00564	.00036	.00052

RUN NO. 105/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP240	CP12	CP13
.799	-10.182	-.19460	.19910	.18400
.800	-8.099	-.19310	.19930	.18620
.800	-6.164	-.19850	.20740	.18550
.799	-4.110	-.19540	.20710	.18830
.799	-3.053	-.20000	.20620	.18640
.800	-2.077	-.19580	.20710	.18890
.800	-1.069	-.20810	.20840	.18740
.799	-.031	-.21490	.20530	.18380
.800	.936	-.20430	.21020	.19040
.799	1.923	-.20660	.20740	.18640
.800	2.944	-.20220	.21120	.19040
.799	3.960	-.23300	.20790	.18660
.799	5.949	-.25980	.20680	.18840
.799	8.001	-.30180	.20730	.18680
.799	10.055	-.29730	.21440	.19320
	GRADIENT	-.00291	.00034	.00005

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 BETA = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YO AILRON = .000 BOFLAP = .000
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPDRK = 25.000 RUDDER = .000
SCALE = .0500

PARAMETRIC DATA

RUN NO. 104/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP240	CP12	CP13
.899	-10.207	-.27710	.23310	.21650
.901	-8.103	-.20540	.23440	.21810
.900	-6.167	-.20490	.23700	.21840
.900	-4.110	-.25370	.23660	.21650
.900	-3.055	-.25130	.23930	.22030
.900	-2.074	-.27890	.23840	.21700
.900	-1.069	-.27380	.23960	.21980
.900	-.031	-.28210	.23880	.21890
.899	.934	-.28140	.23900	.21870
.900	1.942	-.27690	.23700	.21810
.899	2.958	-.27400	.24080	.21970
.900	3.975	-.29440	.24070	.21800
.899	5.950	-.31900	.24560	.22290
.900	8.006	-.30890	.24400	.22150
.900	10.067	-.30530	.24320	.22010
	GRADIENT	-.00388	.00029	.00009

RUN NO. 67/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP240	CP12	CP13
.952	-10.077	-.29360	.28380	.24750
.951	-8.071	-.31370	.28360	.24730
.952	-6.022	-.32810	.28600	.24920
.953	-4.003	-.32830	.28750	.25160
.951	-2.954	-.33590	.28280	.24640
.953	-1.993	-.32790	.28740	.25200
.952	-1.029	-.33970	.28520	.24940
.952	-.091	-.31830	.28440	.24750
.953	.904	-.35200	.28530	.24910
.952	1.937	-.35540	.28420	.24710
.952	2.920	-.36100	.28450	.24800
.953	3.895	-.36310	.28730	.25050
.953	5.914	-.36520	.28460	.24880
.953	8.132	-.35620	.28710	.25300
.952	10.055	-.36590	.28610	.25090
	GRADIENT	-.00477	-.00004	-.00017

(E2F034) (06 MAR 80)

PARAMETRIC DATA

ALPHA	=	5.000	BETA	=	.000
AILRON	=	.000	BOFLAP	=	.000
SPOBRK	=	25.000	RUDDER	=	.000
RN/L	=	5.000			

00A145 TABULATED FORCE DATA

AMES 118-1-11 0A145A 01

REFERENCE DATA

[illegible]

Case No.	BN/1	GRADIENT	INTERVAL	BN/1	GRADIENT	INTERVAL
1.77/0	5.03	-5.00/	5.00			

MACH	ELEVON	CP240	CP12	CP13
1.099	-9.974	-30400	.39550	.35740
1.101	-7.956	-31630	.39830	.35890
1.101	-6.005	-33050	.39970	.35850
1.101	-3.989	-34390	.39580	.35660
1.101	-2.940	-34260	.39700	.35910
1.100	-1.982	-34740	.39720	.35670
1.101	- .989	-34900	.39900	.35790
1.101	.020	-34950	.39940	.35960
1.101	1.008	-35420	.39670	.35950
1.102	2.004	-36100	4.0010	.35690
1.101	3.033	-36530	.39670	.35730
1.100	4.024	-36280	.39800	.36000
1.100	5.985	-37130	.39770	.35710
1.100	8.013	-37000	.39910	.35950
1.100	10.074	-36630	.39820	.35780
GRADIENT	- .00294	.00019	.00019	.00017

	GRADIENT	INTERVAL	
5.00	-5.00	5.00	

	ELEVON	CP240	CP12	CP13
MACH				
1.199	-10.208	-27900	42460	37490
1.199	-8.123	-30330	42530	37580
1.199	-6.177	-32230	42510	37440
1.199	-4.125	-32980	42400	37280
1.198	-3.069	-32890	42520	37560
1.199	-2.095	-33880	42470	37180
1.198	-1.085	-33620	42460	37440
1.200	-0.848	-34080	42640	37440
1.199	917	-34040	42590	37500
1.198	1.909	-34320	42430	37340
1.199	2.933	-34040	42680	37550
1.199	3.933	-34070	42630	37530
1.199	6.176	-34020	42700	37550
1.199	7.980	-34580	42640	37520
1.199	10.028	-33960	42590	37540
1.198	GRADIENT	-00151	00024	00023

0A145 TABULATED FORCE DATA

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 80/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP240	CP12	CP13
1.299	-10.070	-.31750	.45440	.40110
1.298	-8.047	-.32640	.45540	.40120
1.299	-6.019	-.32880	.45650	.40200
1.298	-3.995	-.32990	.45590	.40140
1.299	-2.942	-.33000	.45620	.40210
1.299	-1.973	-.33670	.45600	.40130
1.299	-.971	-.33920	.45630	.40200
1.300	-.055	-.34000	.45680	.40200
1.298	1.028	-.34410	.45500	.40020
1.298	2.027	-.34920	.45490	.40040
1.298	3.027	-.35100	.45500	.40050
1.298	4.029	-.35500	.45510	.39990
1.297	6.028	-.35700	.45420	.39830
1.297	8.232	-.34640	.45480	.39960
1.296	10.133	-.33490	.45500	.39870
	GRADIENT	-.00322	-.00017	-.00024

RUN NO. 151/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP240	CP12	CP13
1.402	-10.205	-.31270	.48530	.45830
1.404	-8.123	-.31320	.48920	.45020
1.404	-6.172	-.31320	.48740	.45810
1.403	-4.119	-.31560	.48730	.45680
1.403	-3.050	-.31320	.48970	.45970
1.403	-2.087	-.31480	.48940	.45940
1.402	-1.072	-.31550	.48750	.45830
1.403	-.039	-.31750	.48830	.45810
1.403	.932	-.31680	.49030	.45880
1.402	1.912	-.32010	.48980	.45780
1.402	2.931	-.32040	.49160	.45940
1.401	3.940	-.32490	.48860	.45810
1.401	5.916	-.32290	.49070	.45790
1.401	7.958	-.32270	.49300	.45990
1.401	10.008	-.32340	.49320	.45950
	GRADIENT	-.00117	.00024	.00003

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. X0
LREF = 474.8100 INCHES YMRP = .0000 IN. Y0
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. Z0
SCALE = .0500

ALPHA =
ATLIRON =
SPDBRK =
RN/L =

5.000 BETA =
.000 BOFLAP =
25.000 RUDDER =
5.000

PARAMETRIC DATA

(E2FY34) (19 JUL 77)

RUN NO.		0/ 0	RN/L = 5.01	GRADIENT INTERVAL = -5.00/ 5.00
MACH	ELEVON	CP225	CP228	CP231
.599	-10.101	-19020	-19020	-18950
.599	-8.095	-19580	-19420	-19610
.599	-6.046	-19690	-19930	-19970
.599	-4.011	-19930	-19910	-20030
.598	-2.987	-20310	-19820	-20170
.598	-2.017	-20940	-20450	-20330
.598	-.991	-20610	-20870	-21130
.598	-.075	-20540	-20490	-20730
.597	1.975	-20870	-20730	-20950
.597	2.954	-21630	-21340	-21010
.597	3.935	-21620	-21300	-21080
.597	5.909	-22850	-22540	-22400
.597	8.130	-23910	-23700	-23910
.598	10.064	-24970	-24290	-24850
GRADIENT		-.00198	-.00197	-.00196

CP237	CP240	CP243	CP246	CP12	CP13
-21950	-21950	-23360	-23180	.16250	.13840
-22540	-22540	-23440	-23990	.15850	.13510
-22700	-22700	-22770	-24050	.15880	.13510
-22930	-22930	-23020	-24020	.15910	.13390
-24000	-24000	-24070	-25110	.15210	.12830
-23570	-23570	-24260	-24880	.15790	.13280
-23830	-23830	-24420	-25570	.15730	.13260
-24040	-24040	-24590	-25880	.15810	.13300
-24650	-24650	-25410	-27270	.15760	.13490
-25570	-25570	-26450	-28450	.15910	.13460
-26380	-26380	-27500	-29860	.15830	.13770
-28330	-28330	-29400	-31160	.15920	.13320
-31000	-31000	-32830	-34360	.15990	.13390
-34010	-34010	-35900	-38020	.16020	.13540
-35610	-35610	-37230	-39560	.16100	.13980
-.00564	-.00564	-.00692	-.00868	.00036	.00052

RUN NO.		0/ 0	RN/L = 4.97	GRADIENT INTERVAL = -5.00/ 5.00
MACH	ELEVON	CP225	CP228	CP231
.799	-10.182	-19280	-19340	-19240
.800	-8.099	-19390	-19970	-19860
.800	-6.164	-19670	-20170	-19520
.799	-4.110	-20460	-20610	-20650
.799	-3.053	-20700	-20100	-20850
.800	-2.077	-20490	-20580	-21090
.800	-1.069	-21300	-20480	-20820
.799	-.031	-21390	-20740	-21000
.800	.936	-21080	-21130	-21230
.799	1.923	-21360	-21760	-21310
.800	2.944	-21800	-21800	-22320
.799	3.960	-22120	-21480	-22550
.799	5.949	-23350	-21840	-22550
.799	8.001	-24700	-24240	-23530
.799	10.055	-26730	-26230	-24790
GRADIENT		-.00190	-.00192	-.00144

CP237	CP240	CP243	CP246	CP12	CP13
-19460	-19460	-23530	-23190	.19910	.18400
-19310	-19310	-24510	-23990	.19930	.18620
-19850	-19850	-25260	-24220	.20740	.18550
-19540	-19540	-25180	-25390	.20710	.18830
-20000	-20000	-25420	-25760	.20620	.18640
-19580	-19580	-25050	-25850	.20710	.18990
-20810	-20810	-25310	-26390	.20840	.18740
-21490	-21490	-26340	-27470	.20530	.18380
-20430	-20430	-26190	-28070	.21020	.19040
-20660	-20660	-27600	-28970	.20740	.18640
-20220	-20220	-27530	-30490	.21120	.19040
-23300	-23300	-29610	-31270	.20790	.18660
-25980	-25980	-32190	-34710	.20790	.18840
-30180	-30180	-35830	-37520	.20730	.18680
-29730	-29730	-37610	-39170	.21440	.19320
-.00291	-.00291	-.00498	-.00757	.00034	.00005

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

AMES 118-1-11 OAI45A 01

(E2FY34) (19 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA =
A1LRON =
SPDBRK =
RN/L =

BETA =
BOFLAP =
RUDDER =

RUN NO. 0/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.899	-10.207	-19870	-19970	-20550	-20370	-27710	-27710	-28380	-28910	.23310	.21650
.901	-8.103	-20120	-19820	-19730	-20310	-20540	-20540	-23580	-28120	.23440	.21810
.900	-6.167	-20750	-20540	-20790	-20420	-20490	-20490	-25420	-26110	.23700	.21840
.900	-4.110	-21300	-21300	-20850	-21530	-25370	-25370	-25670	-27630	.23660	.21650
.900	-3.055	-21150	-21110	-21270	-21150	-25130	-25130	-26270	-28010	.23930	.22030
.900	-2.074	-21720	-21880	-22300	-22210	-27890	-27890	-28090	-28160	.23840	.21700
.900	-1.069	-21650	-22410	-21500	-22010	-27380	-27380	-28110	-28680	.23960	.21980
.900	-.031	-22450	-22800	-22540	-22690	-28210	-28210	-28800	-29410	.23880	.21890
.899	.934	-23150	-22760	-23250	-22780	-28140	-28140	-28300	-29550	.23900	.21870
.900	1.942	-23200	-22890	-23250	-23950	-27690	-27690	-28630	-29190	.23700	.21810
.899	2.958	-23610	-24600	-24080	-24480	-27400	-27400	-28540	-30350	.24080	.21970
.900	3.975	-25030	-24600	-24840	-24680	-29440	-29440	-30640	-31140	.24070	.21800
.899	5.958	-26130	-26090	-25950	-26000	-31900	-31900	-33550	-33120	.24560	.22690
.900	8.006	-27210	-27180	-26830	-26810	-30890	-30890	-33700	-33840	.24400	.22150
.900	10.067	-27700	-27370	-27580	-26860	-30530	-30530	-31640	-33510	.24320	.22010
	GRADIENT	-.00443	-.00405	-.00455	-.00444	-.00388	-.00388	-.00497	-.00364	.00029	.00009

RUN NO. 0/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.952	-10.077	-20970	-21160	-21380	-21020	-29360	-29360	-29490	-29800	.28360	.24750
.951	-8.071	-21560	-21520	-21380	-21460	-31370	-31370	-31750	-32330	.28360	.24730
.952	-6.022	-22430	-22330	-21870	-21820	-32810	-32810	-33540	-33880	.28600	.24920
.953	-4.003	-22410	-22720	-22060	-22640	-32830	-32830	-33730	-33940	.28750	.25160
.951	-2.954	-23010	-22720	-22670	-22310	-33590	-33590	-34040	-34600	.28280	.24640
.953	-1.993	-23360	-23490	-23260	-23080	-32790	-32790	-34100	-34900	.28740	.25200
.952	-1.029	-23950	-23670	-23170	-23630	-33970	-33970	-34450	-35390	.28520	.24940
.952	-.091	-24570	-24620	-24260	-24770	-34830	-34830	-35410	-35920	.28440	.24750
.953	.904	-24870	-24710	-24180	-24540	-35200	-35200	-36190	-36560	.28530	.24710
.952	1.937	-25360	-25480	-25610	-25860	-35540	-35540	-36970	-37440	.28420	.24710
.952	2.920	-26480	-25740	-26230	-26560	-36100	-36100	-37870	-37870	.28450	.25050
.953	3.895	-26940	-26590	-26280	-26560	-36310	-36310	-37100	-37450	.28360	.25050
.953	5.914	-28320	-26590	-26870	-28230	-36520	-36520	-37100	-37450	.28460	.25050
.953	8.132	-29150	-28110	-28310	-29310	-36620	-36620	-37100	-37450	.28710	.25300
.952	10.055	-29380	-28520	-29610	-29500	-36590	-36590	-37900	-38250	.28610	.25093
	GRADIENT	-.00567	-.00459	-.00514	-.00502	-.00477	-.00477	-.00492	-.00501	-.00004	-.00017

OA145 TABULATED FORCE DATA

AMES 118-1-11 0A145A 01

DATE 10 MAR 80

REFERENCE DATA

XMRAP	=	2690.0000	SQ.FT.
YMRAP	=	474.8100	INCHES
ZMRAP	=	936.6800	INCHES
	=	.0500	SCALE

ALPHA
A ILRON
SPOBRK
RN/L

BETA -
BOFLAP -
RUDDER -

PARAMETRIC DATA

5.000
5.000
25.000
5.000

GRADIENT INTERVAL = -5.00/ 5.00

RUN NO. 0/0 RN/L = 5.04

[illegible]

GRADIENT INTERVAL = -5.00/ 5.00

BUN NO.	0/0	RN/L	=	5.02
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MACH	ELEVON	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP12	CP13
1.298	-10.070	30550	30610	30970	31050	31750	31750	31670	45440	40110
1.299	-8.047	31000	31340	30990	31170	32640	32640	32840	45540	40120
1.298	-6.019	31040	31040	31030	30930	32890	32890	33070	45650	40200
1.299	-3.945	31320	30780	30940	30970	32990	32990	33460	45590	40140
1.298	-2.992	30960	30920	30420	30390	33000	33000	33470	45620	40210
1.299	-1.973	30400	30410	30490	30390	33670	33670	34010	45600	40130
1.299	-971	30330	30350	30420	30700	33920	33920	34280	45630	40200
1.299	-955	30340	30420	30520	30300	34000	34000	34710	45680	40200
1.298	1.028	31060	31050	30770	31020	34410	34410	34650	45500	40040
1.298	2.027	31320	31410	31390	31170	34920	34920	35070	45500	40050
1.298	3.027	31480	31560	31330	31500	35100	35100	35010	45510	39990
1.298	4.029	32090	32230	31910	32050	35500	35500	35640	45420	39830
1.297	6.028	32400	32580	32650	32680	35700	35700	35690	45480	39860
1.297	8.232	32580	32740	32820	32850	34640	34640	34870	45500	39870
1.296	10.133	32520	32510	32810	32470	33490	33490	33670	45500	-
GRADIENT	-0.0121	-0.0155	-0.0146	-0.0322	-0.0322	-0.0322	-0.0322	-0.0245	-0.0017	-0.0024

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 0/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.402	-10.205	-30970	-30420	-30410	-30350	-31270	-31270	-32470	-32280	48530	45830
1.404	-8.123	-30820	-30580	-30680	-30670	-31320	-31320	-32420	-32400	48920	46020
1.404	-6.172	-30880	-30530	-30640	-30660	-31320	-31320	-32420	-32210	48740	45810
1.403	-4.119	-30810	-30640	-30720	-30700	-31560	-31560	-32030	-32400	48730	45680
1.403	-3.050	-30650	-30730	-30760	-30700	-31320	-31320	-31800	-31890	48970	45970
1.403	-2.087	-30680	-30800	-30730	-30720	-31480	-31480	-31870	-31750	48940	45940
1.402	-1.072	-30730	-30800	-30900	-30920	-31550	-31550	-32040	-32350	48750	45830
1.403	-.039	-30830	-30780	-30820	-30850	-31750	-31750	-32520	-32130	48830	45810
1.403	-.932	-30880	-30930	-30950	-30890	-31680	-31680	-32100	-31960	49030	45880
1.402	1.912	-31210	-31210	-31150	-31200	-32010	-32010	-32490	-32690	49160	45780
1.402	2.931	-31380	-31370	-31400	-31480	-32040	-32040	-32740	-33080	49160	45940
1.401	3.940	-31660	-31660	-31690	-31680	-32490	-32490	-33200	-33220	48860	45810
1.401	5.916	-31880	-31920	-31910	-32010	-32290	-32290	-33680	-33670	49070	45790
1.401	7.958	-31710	-31830	-31690	-31920	-32270	-32270	-33500	-33690	49300	45990
1.401	10.008	-31440	-31500	-31580	-31480	-32340	-32340	-33590	-34100	49320	45950
1.401	GRADIENT	-30113	-30115	-30111	-30119	-30117	-30117	-30146	-30138	.00024	.00003

0A145 TABULATED FORCE DATA

AMES 118-1-11 0A145A 01

DATE 10 MAR 80

(28F035) (18 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 BETA = .000
 AILRON = .000 BDFLAF = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 443/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.897	-9.972	-21430	-21830	-21640	-21620	-23090	-23090	-22880	-24040	18160	15660
.901	-7.958	-21670	-21200	-21150	-21680	-23710	-23710	-23590	-24280	18190	15850
.901	-6.010	-21670	-22190	-22010	-22210	-24550	-24550	-24520	-24780	18100	15740
.900	-3.990	-21790	-22130	-22010	-22100	-25830	-25830	-25620	-26090	18040	15570
.901	-2.952	-22900	-23180	-22350	-23080	-26610	-26610	-26520	-27110	18050	15720
.901	-1.984	-22870	-22800	-22540	-22800	-27780	-27780	-27280	-28900	17970	15660
.901	.991	-23550	-23430	-23520	-23900	-28110	-28110	-28370	-28830	18360	15980
.901	.020	-24760	-24330	-24610	-24120	-30020	-30020	-29180	-30620	18130	15540
.901	1.003	-25970	-26310	-25880	-25430	-30060	-30060	-29550	-30910	18210	15770
.902	2.004	-26790	-26890	-26540	-26510	-31090	-31090	-30850	-32280	18180	15780
.900	3.017	-27520	-27050	-27310	-27410	-30250	-30250	-31130	-32630	18230	16000
.901	4.014	-27940	-27400	-27500	-27660	-29910	-29910	-30530	-32530	18250	15960
.901	5.974	-28900	-28540	-28170	-28600	-31120	-31120	-31570	-32650	18080	15810
.900	8.005	-29660	-28950	-29370	-29510	-31900	-31900	-32900	-33880	18410	15970
.900	10.075	-30740	-30760	-30170	-30310	-33040	-33040	-34160	-34970	18320	15920
	GRADIENT	-.00814	-.00730	-.00788	-.00738	-.00597	-.00597	-.00698	-.00750	0.0028	0.0041

RUN NO. 440/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.950	-9.985	-22540	-22810	-22070	-22620	-23790	-23790	-23680	-23560	21400	19090
.954	-7.958	-23300	-22080	-22210	-22600	-25140	-25140	-24940	-25410	22240	19710
.953	-6.003	-23010	-23160	-23280	-23780	-27770	-27770	-27870	-28150	22190	19740
.952	-3.987	-25070	-25020	-25000	-24940	-30660	-30660	-31390	-32710	22100	19610
.951	-2.950	-26370	-26220	-26390	-26340	-32730	-32730	-33610	-34880	21980	19490
.952	-1.985	-27350	-26790	-26690	-26830	-34140	-34140	-35450	-35650	21870	19510
.951	.991	-28070	-27830	-28170	-27930	-35450	-35450	-36510	-37210	22020	19530
.952	.017	-29010	-29110	-28710	-28830	-37560	-37560	-38090	-39190	21780	19270
.951	1.006	-29640	-29640	-29840	-30280	-38350	-38350	-39000	-40670	21920	19450
.951	2.002	-30950	-30690	-30870	-30710	-39700	-39700	-39990	-41640	21830	19280
.951	3.025	-31690	-31500	-31320	-31920	-39820	-39820	-40620	-41790	21660	19370
.951	4.007	-32950	-32750	-32450	-32500	-40010	-40010	-41060	-42260	21880	19370
.951	5.982	-34210	-33960	-33690	-33740	-40420	-40420	-40770	-41670	21740	19350
.951	8.009	-34950	-34340	-34070	-34630	-39430	-39430	-40130	-40780	21880	19450
.950	10.071	-34530	-34090	-33900	-33940	-38810	-38810	-39410	-39710	21780	19310
	GRADIENT	-.00940	-.00942	-.00912	-.00954	-.01214	-.01214	-.01214	-.01242	0.0024	0.0032

(E2F036) (16 JUL 77)

AMES 118-1-11 OAI45A 01

PARAMETRIC DATA

ALPHA = 10.000
 AILRON = .000
 SPDRK = 25.000
 RUDDER = 5.000

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

RUN NO. 442/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.899	-3.977	-22630	-22580	-23030	-22490	-33910	-33910	-34530	-34650	.28150	.23290
.902	-7.968	-22120	-21760	-21620	-21150	-34610	-34610	-34680	-34840	.28360	.23260
.901	-6.003	-22230	-22680	-23300	-22640	-35130	-35130	-35480	-34960	.28000	.23200
.899	-3.982	-23630	-23680	-23820	-24530	-35410	-35410	-36100	-35600	.27760	.23120
.902	-2.945	-24390	-24340	-24020	-24390	-34460	-34460	-34980	-35560	.28360	.23730
.900	-1.989	-25300	-25130	-24820	-25350	-35070	-35070	-35500	-35730	.28240	.23310
.900	-1.986	-25700	-25470	-25090	-25000	-35480	-35480	-36080	-36140	.27920	.23150
.898	.012	-26810	-26600	-26450	-26500	-35780	-35780	-36580	-36420	.27550	.22620
.900	.997	-26970	-26440	-26520	-27320	-34790	-34790	-35070	-35700	.28050	.23050
.901	2.001	-26960	-26770	-27150	-26870	-34340	-34340	-34310	-34750	.28090	.23290
.901	3.026	-27710	-27000	-27260	-27470	-34450	-34450	-35220	-34790	.28040	.23280
.900	4.015	-29030	-28370	-27630	-28160	-35290	-35290	-35050	-35130	.27670	.22860
.900	5.983	-29270	-29130	-28900	-29340	-33960	-33960	-34820	-35890	.28480	.23630
.900	8.008	-30230	-30390	-29820	-30270	-34210	-34210	-34190	-35590	.28360	.23620
.901	10.074	-31800	-31640	-31710	-31380	-34330	-34330	-35150	-35290	.28210	.23690
	GRADIENT	-1.00563	-1.00521	-1.00518	-1.00486	.00045	.00045	.00115	.00177	-.00025	-.00042

RUN NO. 441/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.950	-9.969	-22860	-22710	-22910	-22940	-34170	-34170	-34580	-34980	.31200	.26190
.950	-7.958	-22620	-22520	-23790	-23020	-35540	-35540	-35770	-36720	.31180	.26260
.950	-6.002	-23850	-23780	-23760	-24070	-37320	-37320	-37790	-37150	.31050	.26070
.951	-3.981	-25470	-24940	-25070	-25290	-38380	-38380	-37960	-38640	.31050	.26220
.950	-2.945	-25380	-25850	-26180	-25930	-37820	-37820	-37960	-38380	.31030	.25980
.950	-1.977	-25940	-25530	-26360	-26840	-37610	-37610	-38040	-38950	.31080	.26120
.952	-.989	-26700	-26750	-26900	-26630	-38270	-38270	-38070	-38060	.31250	.26060
.951	.012	-27100	-26510	-27200	-27620	-37020	-37020	-37520	-38080	.31150	.26190
.951	1.003	-27200	-27120	-27870	-27570	-36400	-36400	-37350	-38080	.31280	.26310
.950	2.004	-28180	-28160	-28550	-28580	-36930	-36930	-37470	-38380	.31080	.26200
.950	3.023	-29260	-29350	-28740	-29780	-37170	-37170	-37800	-39000	.31210	.26030
.950	4.017	-29080	-29320	-29470	-29780	-37490	-37490	-38030	-38540	.30930	.26120
.949	5.982	-30030	-29760	-30330	-30600	-36960	-36960	-37790	-38560	.31140	.26220
.949	8.009	-31120	-31120	-31290	-30930	-35850	-35850	-37570	-37870	.31030	.26120
.949	10.067	-31850	-31870	-32260	-32060	-35820	-35820	-37080	-37730	.31140	.26300
	GRADIENT	-1.00519	-1.00563	-1.00512	-1.00545	.00094	.00094	.00062	-.00055	.00001	.00006

(E2F037) (06 MAR 80)

OAI45 TABULATED FORCE DATA

AMES 118-1-11 OAI45A 01

DATE 10 MAR 80

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA =
AILRON =
SPDRK =
RN/L =
5.000 BETA =
.000 BDFLAP =
25.000 RUDDER =
5.000

GRADIENT INTERVAL = -5.00/ 5.00

RUN NO. 0/ 0 RN/L = 4.99

MACH	ELEVON	CP240	CP12	CP13
.599	-29.998	-.21950	.13240	.21580
.600	-19.961	-.24200	.12960	.21800
.600	-15.003	-.25450	.12710	.21340
.600	-9.931	-.25150	.13010	.21400
.599	-5.985	-.23780	.12810	.21440
.599	-3.981	-.23040	.13300	.21970
.599	-1.972	-.23260	.12810	.21710
.599	.014	-.23500	.12480	.21090
.599	1.966	-.23600	.12590	.21560
.599	3.941	-.25420	.12390	.21560
.598	5.888	-.27460	.12880	.21790
.599	9.914	-.30620	.12720	.21450
.598	14.673	-.34040	.13150	.21750
	GRADIENT	-.00258	-.00103	-.00049

GRADIENT INTERVAL = -5.00/ 5.00

RUN NO. 0/ 0 RN/L = 5.02

MACH	ELEVON	CP240	CP12	CP13
.800	-29.992	-.21510	.14350	.22410
.802	-19.961	-.22210	.14460	.22550
.800	-15.007	-.24100	.14470	.22530
.801	-9.926	-.25490	.14360	.22440
.800	-5.993	-.26420	.14370	.22270
.800	-3.980	-.25640	.14020	.22240
.801	-1.977	-.24760	.14410	.22280
.800	.016	-.24220	.13960	.22580
.800	1.966	-.24560	.14170	.22210
.799	3.942	-.26060	.13810	.22240
.800	5.892	-.27810	.14410	.22470
.799	9.905	-.30690	.14430	.22290
.799	14.689	-.35240	.14150	.22700
	GRADIENT	-.00031	-.00033	-.00003

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 BETA = 2.000
LREF = 474.8100 INCHES YMRP = .0000 IN. YO AILRON = .000 BDFLAP = .000
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPOBRK = 25.000 RUDDER = .000
SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 0/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP240	CP12	CP13
.901	-30.645	-22370	.20190	.27370
.902	-20.430	-24630	.20140	.27600
.901	-15.340	-27930	.20480	.27520
.902	-10.180	-29680	.20600	.27730
.901	-6.160	-31080	.20580	.27610
.900	-4.117	-32280	.20450	.27570
.900	-2.079	-32350	.20690	.27740
.902	-.044	-33100	.20080	.27390
.900	1.912	-32010	.20390	.27510
.900	3.938	-33820	.20000	.27100
.901	5.916	-34790	.20210	.27500
.901	9.997	-34010	.20490	.27600
.902	14.869	-34900	.20600	.28120
	GRADIENT	-00137	-00060	-00058

RUN NO. 0/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP240	CP12	CP13
.947	-30.302	-16830	.22620	.29830
.949	-19.742	-23430	.22560	.29760
.948	-9.949	-29880	.22310	.29540
.945	-5.950	-32170	.22030	.29470
.945	-3.936	-33350	.21880	.29200
.944	-1.942	-33350	.21710	.29150
.944	.023	-32970	.21960	.29240
.946	2.004	-33070	.22180	.29390
.945	4.003	-32580	.21950	.29380
.946	6.001	-32570	.22310	.29580
.943	10.015	-35760	.21820	.29080
.942	15.013	-36510	.22050	.29270
	GRADIENT	.00092	.00031	.00030

OAI45 TABULATED FORCE DATA
AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0070 IN. ZO

PARAMETRIC DATA

ALPHA =
AILRON =
SPDBRK =
RN/L =

BETA =
BDFLAP =
RUDDER =
RN/L =

5.000
.000
25.000
5.000

2.000
.000
.000
5.000

RUN NO. 0/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP240	CP12	CP13
1.097	-30.011	-.23750	.34510	.40560
1.103	-19.975	-.26540	.35040	.41180
1.102	-15.000	-.27770	.35220	.40960
1.101	-9.975	-.29800	.35170	.41360
1.100	-5.995	-.31740	.35280	.41510
1.100	-3.986	-.33150	.35400	.41190
1.102	-1.984	-.33180	.35270	.41490
1.100	.015	-.33610	.35460	.41590
1.100	2.007	-.35430	.35280	.41130
1.101	4.024	-.35520	.35550	.41620
1.100	5.980	-.36040	.35370	.41540
1.099	10.071	-.36750	.35010	.41070
1.098	15.007	-.35930	.35320	.41330
	GRADIENT	-.00349	.00016	.00025

RUN NO. 0/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP240	CP12	CP13
1.204	-19.956	-.24620	.38300	.42610
1.202	-14.999	-.26190	.38200	.42610
1.202	-9.913	-.28000	.37980	.42430
1.201	-5.990	-.30540	.38040	.42540
1.201	-3.971	-.30890	.38000	.42490
1.199	-1.970	-.31030	.37850	.42200
1.200	.024	-.31140	.37980	.42330
1.200	1.968	-.31360	.38120	.42510
1.200	3.936	-.31390	.38010	.42400
1.201	5.902	-.31420	.38000	.42350
1.199	9.910	-.30430	.38000	.42370
1.197	14.678	-.28090	.37720	.42060
	GRADIENT	-.00067	.00015	.00006

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AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = 2.000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 0/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP240	CP12	CP13
1.299	-29.991	-25490	.41410	.44120
1.299	-19.957	-26360	.41390	.44220
1.299	-14.993	-26990	.41460	.44260
1.297	-9.931	-30020	.41510	.44250
1.296	-5.987	-31100	.41220	.44000
1.296	-3.973	-30860	.41250	.44000
1.294	-1.905	-30690	.41260	.44060
1.296	.026	-30800	.41300	.44050
1.297	1.976	-31510	.41160	.43880
1.296	3.952	-31270	.41200	.43920
1.295	5.895	-31470	.41210	.44010
1.295	9.932	-30340	.41240	.43960
1.294	14.709	-27780	.41030	.43780
	GRADIENT	- .00083	- .00010	- .00017

RUN NO. 0/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP240	CP12	CP13
1.400	-29.994	-24150	.48550	.46390
1.405	-19.956	-25370	.48640	.46180
1.405	-14.994	-27680	.48560	.46410
1.404	-9.926	-30420	.49030	.46430
1.404	-5.983	-30670	.49420	.46230
1.403	-3.971	-30960	.45650	.46220
1.404	-1.970	-30680	.45870	.46230
1.403	.027	-30780	.45660	.46280
1.403	1.971	-31210	.45560	.46140
1.404	3.969	-30860	.45530	.46380
1.404	5.910	-30640	.45730	.46380
1.402	9.946	-28290	.45530	.46340
1.401	14.747	-24260	.45570	.46370
	GRADIENT	- .00016	- .00028	- .00012

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OAI145 TABULATED FORCE DATA

AMES 118-1-11 OAI145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = 2.000
AILRON = .000 BOFLAP = .000
SPOBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 0/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.400	-29.994	-29370	-29660	-29760	-29590	-24150	-24150	-23640	-23420	-48550	-46390
1.405	-19.956	-29010	-29080	-29010	-28740	-25370	-25370	-24970	-24760	-48840	-46180
1.405	-14.994	-30270	-29440	-29380	-29530	-27680	-27680	-27710	-27500	-48560	-46410
1.404	-9.926	-31110	-30660	-30730	-30760	-30420	-30420	-30470	-30800	-49030	-46430
1.404	-5.983	-30960	-30970	-30830	-30870	-30670	-30670	-30910	-31280	-49420	-46230
1.403	-3.971	-30920	-30870	-30860	-30890	-30960	-30960	-31060	-31540	-49650	-46220
1.404	-1.970	-30590	-30710	-30840	-30700	-30680	-30680	-30870	-31260	-49870	-46230
1.403	.027	-30910	-30930	-30970	-30910	-30780	-30780	-31090	-31310	-49660	-46280
1.403	1.971	-31220	-31350	-31360	-31250	-31210	-31210	-31360	-31870	-49560	-46140
1.404	3.969	-31130	-31550	-31450	-31540	-30860	-30860	-31120	-31500	-49530	-46380
1.404	5.910	-31630	-31710	-31610	-31630	-30640	-30640	-30820	-31240	-49730	-46380
1.402	9.946	-31570	-31870	-31830	-31850	-28290	-28290	-28330	-28610	-49530	-46340
1.401	14.747	-30280	-30620	-30490	-30580	-24260	-24260	-24200	-24410	-49570	-46370
GRADIENT		-0.0053	-0.0103	-0.0086	-0.0093	-0.0016	-0.0016	-0.0031	-0.0026	-0.0028	-0.0012

(E2F038) (06 MAR 80)

PARAMETRIC DATA

ALPHA = .000 ELEVON = -5.000
AILRON = .000 BOFLAP = .000
SPOBRK = 25.000 RUDDER = .000
RN/L = 5.000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

RUN NO. 785/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.597	-6.072	-21520	.19190	-.05620
.596	-1.992	-21410	.11340	.02010
.596	-.944	-21030	.09720	.04670
.597	.099	-21290	.07690	.06560
.597	.607	-20970	.06840	.07770
.597	1.128	-21040	.05790	.08720
.597	2.168	-20920	.03820	.10680
.597	3.196	-21220	.01700	.12610
.597	4.223	-21150	-.00330	.14550
.596	6.254	-21410	-.03950	.18880
GRADIENT		.00024	-.01897	.01984

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OAI45 TABULATED FORCE DATA

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(E2F038) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = .000 ELEVON = -5.000
AILLON = .000 BOFLAP = .000
SPDRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 778/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.798	-6.223	-.23600	.24870	-.02220
.798	-2.120	-.23430	.16390	.06160
.799	-1.070	-.23020	.14550	.08720
.799	.013	-.23090	.12740	.11040
.799	.535	-.23140	.11520	.12150
.799	1.070	-.22900	.10470	.13500
.799	2.130	-.23280	.08490	.15470
.798	3.178	-.23050	.06190	.17860
.798	4.217	-.23780	.03780	.19720
.796	6.285	-.23840	.00280	.24480
	GRADIENT	-.00044	-.01986	.02139

RUN NO. 777/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.900	-6.256	-.23620	.30080	.02860
.902	-2.129	-.23370	.22000	.11530
.900	-1.074	-.24070	.19740	.13340
.899	.014	-.24050	.17470	.15780
.900	.537	-.23910	.16730	.17000
.900	1.071	-.24290	.15550	.18110
.899	2.135	-.24550	.13480	.20350
.899	3.188	-.25080	.11000	.22540
.899	4.232	-.25080	.09340	.24840
.896	6.310	-.27520	.04860	.29150
	GRADIENT	-.00262	-.02002	.02115

RUN NO. 770/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.949	-6.262	-.26070	.33510	.06210
.952	-2.139	-.26460	.25560	.15040
.950	-1.078	-.26950	.23510	.17210
.950	.016	-.27570	.21520	.19550
.952	.539	-.27180	.20700	.20970
.951	1.066	-.28400	.19500	.21840
.950	2.141	-.28770	.17160	.23970
.950	3.198	-.29400	.15220	.26260
.949	4.244	-.30310	.13060	.28330
.947	6.322	-.31440	.09410	.33070
	GRADIENT	-.00603	-.01964	.02088

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

(E2F038) (06 MAR 80)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = .000
A1LRON = .000
SPDBRK = 25.000
RN/L = 5.000
ELEVON = -5.000
BDFLAP = .000
RUDDER = .000

RUN NO.	766/ 0	MACH	BETA	CP240	CP12	CP13	GRADIENT INTERVAL	-5.00/ 5.00
		1.199	-6.262	-28350	-49870	-26440		
		1.201	-2.127	-26470	-41700	-31500		
		1.200	-1.071	-25470	-39750	-33310		
		1.200	.014	-25200	-37940	-35430		
		1.200	.538	-25250	-37030	-36410		
		1.200	1.070	-25210	-36210	-37470		
		1.200	2.131	-25280	-34310	-39470		
		1.199	3.186	-25080	-32550	-41630		
		1.197	4.233	-25480	-30890	-43360		
		1.196	6.319	-23580	-28600	-48010		
			GRADIENT	.00120	-.01698	.01894		

RUN NO.	765/ 0	MACH	BETA	CP240	CP12	CP13	GRADIENT INTERVAL	-5.00/ 5.00
		1.298	-6.272	-29940	-50940	-31700		
		1.301	-2.141	-28540	-43530	-36520		
		1.299	-1.076	-28280	-41740	-37470		
		1.299	.015	-28000	-40000	-38990		
		1.298	.539	-28120	-39100	-39510		
		1.297	1.067	-27940	-38530	-40370		
		1.296	2.140	-27340	-36860	-42300		
		1.296	3.196	-27420	-35030	-44000		
		1.296	4.249	-26930	-33990	-45970		
		1.294	6.329	-26760	-31850	-49930		
			GRADIENT	.00245	-.01511	.01506		

RUN NO.	758/ 0	MACH	BETA	CP240	CP12	CP13	GRADIENT INTERVAL	-5.00/ 5.00
		1.401	-6.281	-28120	-53290	-31060		
		1.409	-2.140	-27620	-46600	-40880		
		1.408	-1.073	-27670	-44970	-41820		
		1.407	.015	-27500	-43940	-43610		
		1.405	.536	-27460	-43160	-44440		
		1.405	1.065	-27340	-42270	-45080		
		1.405	2.137	-27000	-41330	-46680		
		1.403	3.200	-27160	-39150	-48030		
		1.403	4.243	-26720	-37300	-49490		
		1.401	6.337	-25480	-30750	-53480		
			GRADIENT	.00143	-.01416	.01384		

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OAI45 TABULATED FORCE DATA

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(E2F039) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = .000 ELEVON = 5.000
 AIRLON = .000 BOFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 784/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.597	-6.072	-.23990	.19630	-.05740
.597	-1.987	-.23230	.11780	.02630
.596	-.948	-.23270	.09740	.04690
.596	.093	-.23470	.08010	.06480
.596	.599	-.22940	.06960	.07940
.596	1.118	-.23560	.05780	.08530
.596	2.154	-.23970	.03800	.10300
.596	3.182	-.24280	.01260	.12390
.596	4.214	-.24430	-.00600	.14260
.596	6.249	-.23830	-.03780	.19410
	GRADIENT	-.00222	-.02019	.01864

RUN NO. 779/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.788	-6.217	-.25400	.24720	-.02310
.799	-2.104	-.25180	.16570	.06300
.798	-1.059	-.25220	.14550	.08630
.799	.020	-.25350	.12480	.10990
.799	.538	-.25590	.11230	.12050
.798	1.063	-.26040	.10230	.13060
.798	2.118	-.26170	.08370	.15440
.798	3.163	-.26130	.06150	.17780
.798	4.203	-.26930	.04050	.19660
.797	6.269	-.27680	-.00010	.24280
	GRADIENT	-.00270	-.01982	.02132

RUN NO. 776/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.900	-6.234	-.27640	.29990	.02390
.903	-2.117	-.28460	.22110	.11640
.900	-1.062	-.29550	.19500	.13320
.899	.018	-.29540	.17540	.15770
.900	.538	-.30500	.16490	.16710
.900	1.062	-.30810	.15360	.17900
.899	2.125	-.30850	.13470	.20170
.899	3.173	-.30290	.11280	.22740
.898	4.216	-.31840	.08860	.24380
.897	6.290	-.32500	.04990	.29210
	GRADIENT	-.00429	-.02037	.02081

OAI15 TABULATED FORCE DATA

DATE 10 MAR 80

(E2F039) (06 MAR 80)

AMES 118-1-11 OAI15A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 ELEVON = 5.000
AILRON = .000 BOFLAP = .000
SPOBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 771/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.951	-6.237	-.33670	.33780	.06640
.953	-2.116	-.36650	.25810	.15420
.950	-1.063	-.37730	.23410	.17280
.951	.018	-.37810	.21430	.19670
.951	.539	-.38280	.20350	.20510
.950	1.060	-.37950	.19350	.21730
.951	2.120	-.37370	.17620	.24180
.950	3.169	-.37790	.15390	.26360
.951	4.212	-.37720	.13500	.28610
.947	6.293	-.38550	.09560	.33040
	GRADIENT	-.00087	-.01919	.02110

RUN NO. 767/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.200	-6.248	-.31710	.49700	.26300
1.202	-2.112	-.29240	.42050	.31670
1.200	-1.062	-.29350	.39850	.33290
1.199	.018	-.29430	.37790	.35260
1.200	.537	-.29270	.37170	.36430
1.199	1.063	-.29380	.36160	.37410
1.198	2.123	-.29600	.34210	.39310
1.199	3.173	-.29760	.32480	.41860
1.198	4.217	-.30010	.31100	.43570
1.196	6.299	-.30240	.28490	.47860
	GRADIENT	-.00115	-.01732	.01911

RUN NO. 764/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.299	-6.267	-.32140	.51150	.31740
1.301	-2.132	-.29540	.43590	.36440
1.300	-1.068	-.29160	.41690	.37490
1.298	.016	-.28960	.39900	.38780
1.299	.538	-.28550	.39100	.39630
1.297	1.064	-.28660	.38410	.40290
1.297	2.131	-.28430	.36800	.42190
1.298	3.187	-.28090	.35100	.44170
1.295	4.235	-.28110	.33830	.45660
1.292	6.317	-.28550	.31520	.49620
	GRADIENT	.00230	-.01530	.01499

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

PAGE 1717

AMES 118-1-11 0A145A 01

(E2F039) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

ALPHA = .000 ELEVON = 5.000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 759/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.401	-6.266	-.29910	.53610	.31190
1.408	-2.130	-.29320	.46860	.40960
1.407	-1.067	-.29250	.45100	.42110
1.405	.018	-.29080	.43630	.43610
1.405	.537	-.29020	.43140	.44250
1.406	1.061	-.28310	.42770	.45550
1.404	2.129	-.28140	.41200	.46650
1.402	3.187	-.28280	.39340	.47970
1.404	4.234	-.27660	.37500	.50010
1.399	6.323	-.26620	.30920	.53420
	GRADIENT	.00259	-.01415	.01414

AMES 118-1-11 0A145A 01

(E2F040) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

ALPHA = 5.000 ELEVON = 10.000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 192/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.598	-6.055	-.31340	.29550	-.00910
.597	-1.956	-.31360	.20730	.09090
.598	-.932	-.31160	.18230	.11750
.598	.098	-.31530	.15220	.14120
.600	.617	-.31200	.14280	.15950
.599	1.108	-.32250	.12420	.16510
.600	2.186	-.31650	.10220	.19760
.600	3.244	-.32200	.07480	.22100
.600	4.285	-.32610	.05220	.24260
.599	6.349	-.34050	.00140	.28680
	GRADIENT	-.00211	-.02506	.02457

DATE 10 MAR 80

OA145 TABULATED FORCE DATA

PAGE 1719

AMES 118-1-11 OA145A 01

(E2F040) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = 10.000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 435/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.101	-6.202	-.37540	.54180	.21390
1.101	-2.096	-.36890	.44770	.30490
1.100	-1.043	-.36350	.42360	.33300
1.101	.011	-.36790	.39790	.35200
1.103	.545	-.36120	.39120	.37130
1.100	1.078	-.36200	.37720	.38180
1.101	2.131	-.36150	.35300	.40870
1.099	3.176	-.36420	.33230	.43480
1.099	4.223	-.36150	.31530	.46260
1.099	6.318	-.36390	.26730	.51140
	GRADIENT	.00003	-.00120	.00402

RUN NO. 169/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.200	-6.101	-.33060	.56580	.28170
1.200	-1.934	-.31840	.47620	.33940
1.198	-.881	-.31080	.45200	.36200
1.199	.033	-.31740	.42950	.38190
1.199	.468	-.30730	.42520	.39730
1.199	.999	-.31460	.41500	.40740
1.199	2.087	-.30790	.39910	.43520
1.199	3.151	-.31270	.38160	.46380
1.201	4.195	-.30780	.36520	.49270
1.195	6.275	-.31490	.32230	.54270
	GRADIENT	.00121	-.01762	.02517

RUN NO. 141/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.294	-6.122	-.33250	.55950	.33890
1.296	-1.970	-.32210	.48280	.39220
1.295	-.918	-.32200	.46630	.39400
1.294	.144	-.32240	.45760	.40730
1.293	.629	-.32230	.44540	.41320
1.294	1.187	-.32130	.43180	.42480
1.294	2.268	-.32120	.41010	.44500
1.294	3.335	-.32170	.39740	.46670
1.293	4.380	-.32420	.38810	.48950
.292	6.462	-.32000	.35660	.53900
	GRADIENT	-.00015	-.01586	.01615

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

AMES 118-1-11 OAI45A 01

(E2FY40) (19 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

ALPHA = 5.000 ELEVON = 10.000
AILRON = .000 BOFLAP = .000
SPDRK = 25.000 RUDDER = .000
RN/L = 5.000

PARAMETRIC DATA

RUN NO. 0/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.800	-6.090	-26350	-26770	-26110	-26710	-33560	-33560	-34840	-36370	-33610	-01660
.797	-1.995	-27320	-27340	-27080	-26980	-36140	-36140	-36500	-37890	-23870	-11880
.799	-.936	-26600	-27070	-26600	-26630	-35300	-35300	-37210	-38730	-21440	-14920
.798	.107	-27430	-27300	-27360	-27660	-35320	-35320	-36520	-38310	-18910	-17290
.797	.561	-27930	-27480	-27180	-27480	-34600	-34600	-36890	-38370	-18400	-19000
.800	1.046	-26930	-27870	-26970	-26570	-35280	-35280	-36450	-37730	-17420	-20050
.798	2.122	-28260	-27470	-26790	-27920	-35620	-35620	-36240	-38190	-13950	-22620
.800	3.171	-28270	-28300	-27440	-27780	-35290	-35290	-36640	-38450	-11660	-25480
.797	4.206	-30160	-29580	-29200	-28750	-35590	-35590	-37770	-38830	-09010	-27840
.799	6.282	-30870	-31140	-29900	-30310	-36370	-36370	-37910	-39760	-04780	-33110
GRADIENT		-.00437	-.00327	-.00261	-.00272	.00033	.00033	-.00081	-.00074	-.02406	-.02572

RUN NO. 0/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.901	-6.101	-28620	-28840	-28300	-28360	-31470	-31470	-31360	-31880	-39290	-06020
.903	-1.911	-27570	-27070	-27180	-26830	-31380	-31380	-31440	-32200	-29830	-17110
.901	-.867	-28490	-27390	-27780	-27680	-32290	-32290	-32520	-33530	-26860	-19580
.900	.037	-27110	-28070	-27850	-27400	-32900	-32900	-32870	-30030	-24290	-21830
.902	.464	-27900	-28150	-28410	-27930	-32460	-32460	-33310	-33130	-23550	-23460
.902	.993	-28080	-27620	-27880	-27310	-32900	-32900	-31540	-33070	-22580	-24610
.900	2.086	-29180	-29290	-29030	-29050	-33570	-33570	-34010	-34730	-19830	-27100
.901	3.158	-29580	-28930	-28380	-28950	-33530	-33530	-33860	-35200	-17890	-30430
.901	4.200	-29850	-29560	-29960	-30420	-35300	-35300	-35320	-35850	-15260	-32630
.900	6.274	-31420	-31230	-30150	-31830	-37040	-37040	-37490	-38150	-09860	-38190
GRADIENT		-.00383	-.00412	-.00372	-.00531	-.00531	-.00531	-.00539	-.00677	-.02317	-.02579

RUN NO. 0/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.951	-6.065	-30070	-29740	-29690	-29720	-33410	-33410	-34370	-35170	-41630	-09430
.950	-1.921	-29380	-29400	-28990	-28200	-34560	-34560	-35400	-36720	-32130	-20000
.951	-.835	-29660	-29380	-29460	-28990	-34530	-34530	-34610	-35680	-29660	-22890
.952	.085	-29730	-30270	-30010	-30240	-35630	-35630	-36090	-36450	-27630	-25200
.951	.520	-29920	-29890	-28800	-29100	-35070	-35070	-36280	-36650	-26930	-26390
.951	1.065	-28890	-29270	-29530	-29230	-35890	-35890	-36280	-37440	-25860	-27590
.951	2.132	-28840	-28390	-28810	-28670	-36200	-36200	-36330	-37440	-22690	-30390
.950	3.186	-29140	-29350	-29680	-29390	-37470	-37470	-38280	-39050	-19850	-32940
.950	4.225	-30340	-30510	-29710	-30090	-39200	-39200	-38310	-39480	-17370	-35170
.950	6.304	-30870	-31400	-31040	-30930	-39340	-39340	-40660	-41630	-13310	-41180
GRADIENT		-.00027	-.00043	-.00060	-.00074	-.00727	-.00727	-.00572	-.00569	-.02420	-.02475

OAI45 TABULATED FORCE DATA
AMES 118-1-11 OAI45A 01

REFERENCE DATA
SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA
ALPHA = 5.000 ELEVON = 10.000
AILRON = .000 BDFLAP = .000
SPDRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO.		0/ 0	RN/L = 4.98	GRADIENT INTERVAL = -5.00/ 5.00	
MACH	BETA	CP225	CP228	CP231	CP234
1.294	-6.122	-32440	-32700	-32590	-32620
1.296	-1.970	-31190	-31570	-31320	-31610
1.295	-.918	-31050	-31470	-31260	-31380
1.294	.144	-31430	-31810	-31540	-31540
1.293	.629	-31490	-31900	-31620	-31930
1.294	1.187	-31540	-31980	-31670	-31930
1.294	2.268	-31580	-31990	-31720	-31900
1.294	3.335	-31900	-31760	-31780	-32030
1.293	4.380	-32280	-32470	-32300	-32120
1.292	6.462	-31780	-31920	-31660	-31660
	GRADIENT	-00172	-00096	-00137	-00104
RUN NO.		0/ 0	RN/L = 5.00	GRADIENT INTERVAL = -5.00/ 5.00	
MACH	BETA	CP225	CP228	CP231	CP234
1.400	-6.169	-30460	-30680	-30680	-30680
1.404	-2.012	-31210	-31350	-31300	-31390
1.404	-.965	-31320	-31450	-31490	-31560
1.404	.016	-31470	-31680	-31620	-31620
1.403	.616	-31270	-31480	-31390	-31390
1.403	1.128	-31100	-31380	-31300	-31300
1.403	2.212	-31190	-31530	-31360	-31360
1.402	3.286	-31290	-31390	-31350	-31350
1.403	4.348	-30880	-31070	-31090	-31090
	6.462	-30490	-30560	-30730	-30730
	GRADIENT	-00046	-00039	-00053	-00053

RUN NO.		0/ 0	RN/L = 5.00	GRADIENT INTERVAL = -5.00/ 5.00	
MACH	BETA	CP225	CP228	CP231	CP234
1.400	-6.169	-30460	-30680	-30680	-30680
1.404	-2.012	-31210	-31350	-31300	-31390
1.404	-.965	-31320	-31450	-31490	-31560
1.404	.016	-31470	-31680	-31620	-31620
1.403	.616	-31270	-31480	-31390	-31390
1.403	1.128	-31100	-31380	-31300	-31300
1.403	2.212	-31190	-31530	-31360	-31360
1.402	3.286	-31290	-31390	-31350	-31350
1.403	4.348	-30880	-31070	-31090	-31090
	6.462	-30490	-30560	-30730	-30730
	GRADIENT	-00046	-00039	-00053	-00053

RUN NO.		0/ 0	RN/L = 5.00	GRADIENT INTERVAL = -5.00/ 5.00	
MACH	BETA	CP225	CP228	CP231	CP234
1.400	-6.169	-30460	-30680	-30680	-30680
1.404	-2.012	-31210	-31350	-31300	-31390
1.404	-.965	-31320	-31450	-31490	-31560
1.404	.016	-31470	-31680	-31620	-31620
1.403	.616	-31270	-31480	-31390	-31390
1.403	1.128	-31100	-31380	-31300	-31300
1.403	2.212	-31190	-31530	-31360	-31360
1.402	3.286	-31290	-31390	-31350	-31350
1.403	4.348	-30880	-31070	-31090	-31090
	6.462	-30490	-30560	-30730	-30730
	GRADIENT	-00046	-00039	-00053	-00053

RUN NO.		0/ 0	RN/L = 5.00	GRADIENT INTERVAL = -5.00/ 5.00	
MACH	BETA	CP225	CP228	CP231	CP234
1.400	-6.169	-30460	-30680	-30680	-30680
1.404	-2.012	-31210	-31350	-31300	-31390
1.404	-.965	-31320	-31450	-31490	-31560
1.404	.016	-31470	-31680	-31620	-31620
1.403	.616	-31270	-31480	-31390	-31390
1.403	1.128	-31100	-31380	-31300	-31300
1.403	2.212	-31190	-31530	-31360	-31360
1.402	3.286	-31290	-31390	-31350	-31350
1.403	4.348	-30880	-31070	-31090	-31090
	6.462	-30490	-30560	-30730	-30730
	GRADIENT	-00046	-00039	-00053	-00053

RUN NO.		0/ 0	RN/L = 5.00	GRADIENT INTERVAL = -5.00/ 5.00	
MACH	BETA	CP225	CP228	CP231	CP234
1.400	-6.169	-30460	-30680	-30680	-30680
1.404	-2.012	-31210	-31350	-31300	-31390
1.404	-.965	-31320	-31450	-31490	-31560
1.404	.016	-31470	-31680	-31620	-31620
1.403	.616	-31270	-31480	-31390	-31390
1.403	1.128	-31100	-31380	-31300	-31300
1.403	2.212	-31190	-31530	-31360	-31360
1.402	3.286	-31290	-31390	-31350	-31350
1.403	4.348	-30880	-31070	-31090	-31090
	6.462	-30490	-30560	-30730	-30730
	GRADIENT	-00046	-00039	-00053	-00053

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500
PARAMETRIC DATA
ALPHA = 5.000 ELEVON = 5.000
A1LIRON = .000 BOFLAP = .000
SPOBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO.	191/ 0	MACH	BETA	CP240	CP12	CP13	GRADIENT INTERVAL	-5.00/ 5.00
		.598	-6.057	-.26320	.30230	-.01090		
		.598	-1.944	-.26370	.20360	.09090		
		.597	-.890	-.26500	.17680	.11550		
		.598	.082	-.26070	.15610	.14380		
		.598	.541	-.26790	.14260	.15270		
		.598	1.086	-.26860	.12730	.16720		
		.598	2.159	-.27390	.10050	.19100		
		.598	3.228	-.27220	.07990	.22000		
		.598	4.277	-.27410	.05360	.24320		
		.598	6.353	-.28190	.00790	.29220		
			GRADIENT	-.00202	-.02415	.02460		

RUN NO.	119/ 0	MACH	BETA	CP240	CP12	CP13	GRADIENT INTERVAL	-5.00/ 5.00
		.799	-6.074	-.27860	.33340	.01540		
		.798	-1.958	-.28460	.24380	.12390		
		.798	-.918	-.29090	.21100	.14730		
		.799	.155	-.28200	.19050	.17380		
		.798	.647	-.29110	.18110	.19010		
		.799	1.161	-.29810	.16890	.19760		
		.799	2.246	-.28780	.14160	.23260		
		.798	3.308	-.29880	.10870	.25340		
		.798	4.352	-.29720	.08550	.28130		
		.797	6.427	-.30900	.03630	.33060		
			GRADIENT	-.00199	-.02477	.02518		

RUN NO.	177/ 0	MACH	BETA	CP240	CP12	CP13	GRADIENT INTERVAL	-5.00/ 5.00
		.901	-6.104	-.32920	.39070	.05980		
		.902	-1.921	-.31990	.29680	.17090		
		.900	-.862	-.33220	.26370	.19200		
		.898	.038	-.33710	.23920	.21420		
		.901	.450	-.32750	.23600	.23140		
		.900	.960	-.33810	.22080	.24160		
		.900	2.063	-.32910	.20090	.27340		
		.899	3.136	-.33780	.17400	.29920		
		.899	4.187	-.34990	.15060	.32480		
		.899	6.259	-.36910	.09510	.37750		
			GRADIENT	-.00339	-.02314	.02588		

0A145 TABULATED FORCE DATA

DATE 10 MAR 80

(E2F041) (06 MAR 80)

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = 5.000
 AILRON = .000 BDFLAP = .000
 SPOBRK = 25.000 RUDDER = 5.000
 RN/L = 5.000

RUN NO. 130/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.951	-6.090	-.33430	.41470	.09150
.950	-1.912	-.34170	.32100	.20250
.952	-.845	-.35610	.29640	.22850
.951	.073	-.36300	.27590	.25170
.952	.484	-.35230	.27300	.26340
.951	1.080	-.35600	.25750	.27940
.951	2.125	-.35320	.22810	.30650
.951	3.188	-.36220	.20200	.33050
.951	4.220	-.37820	.17850	.35540
.950	6.302	-.39770	.12980	.40830
	GRADIENT	-.00401	-.02343	.02514

RUN NO. 435/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.103	-6.233	-.37450	.54200	.21580
1.100	-2.097	-.36450	.44780	.30380
1.101	-1.045	-.36380	.42560	.32860
1.101	.016	-.36190	.39870	.35500
1.101	.534	-.35930	.38740	.36650
1.101	1.071	-.35120	.37410	.38310
1.101	2.122	-.34910	.35500	.41210
1.100	3.162	-.35740	.32960	.43460
1.101	4.206	-.35750	.31600	.46370
1.100	6.305	-.36760	.27540	.51830
	GRADIENT	.00160	-.02142	.02549

RUN NO. 168/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.199	-6.102	-.34240	.56730	.27960
1.200	-1.924	-.32250	.47690	.34030
1.199	-.875	-.31970	.45280	.36230
1.200	.029	-.32040	.43050	.38420
1.200	.461	-.31930	.42270	.39460
1.200	.988	-.31820	.41660	.40890
1.199	2.077	-.32260	.39930	.43410
1.199	3.143	-.32470	.38150	.46070
1.199	4.189	-.32630	.36450	.48660
1.195	6.271	-.33620	.32240	.54190
	GRADIENT	-.00089	-.01783	.02415

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(EEF041) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 5.000
AILRON = .000
SPDBRK = 25.000
RN/L = 5.000
ELEVON = 5.000
BOFLAP = .000
RUDDER = .000

RUN NO. 140/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.294	-6.120	-.34900	.56050	.33850
1.296	-2.044	-.33670	.48360	.39090
1.295	-1.041	-.33380	.46500	.39230
1.294	.015	-.33340	.45390	.40420
1.294	.514	-.33240	.44770	.41180
1.295	1.038	-.33230	.43720	.42050
1.294	2.122	-.33140	.41210	.44050
1.293	3.174	-.33020	.39810	.46220
1.294	4.223	-.32950	.38940	.48650
1.293	6.316	-.33020	.36130	.53870
	GRADIENT	.00104	-.01576	.01592

RUN NO. 160/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.401	-6.164	-.32250	.59690	.36610
1.406	-2.003	-.32360	.51120	.43920
1.405	-.935	-.32270	.50100	.44970
1.404	.093	-.32170	.49650	.46480
1.403	.568	-.32370	.49310	.46630
1.402	1.117	-.32290	.48820	.47120
1.403	2.207	-.32180	.45660	.48210
1.402	3.290	-.32050	.42060	.49980
1.403	4.352	-.32350	.39970	.52210
1.400	6.459	-.31850	.37380	.56950
	GRADIENT	.00018	-.01835	.01240

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(E2FY41) (19 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = 5.000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 0/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.598	-6.057	-22790	-22340	-22340	-22370	-26320	-26320	-27500	-29570	30230	-01090
.598	-1.944	-21140	-21610	-21330	-21440	-26370	-26370	-28000	-29860	20380	09090
.597	.089	-21750	-21420	-21700	-21560	-26500	-26500	-28220	-30010	17680	11550
.598	.082	-21610	-21570	-21680	-21590	-26070	-26070	-27910	-30310	15610	14380
.598	.541	-21410	-21120	-20890	-21220	-26790	-26790	-28250	-30100	14260	15270
.598	1.086	-21660	-21520	-21380	-21400	-26860	-26860	-27990	-30440	12730	16720
.598	2.159	-21470	-22340	-22300	-21990	-27390	-27390	-28520	-30850	10050	19100
.598	3.228	-22370	-22370	-22510	-22440	-27220	-27220	-28960	-31230	07980	22000
.598	4.277	-22400	-22350	-21900	-22470	-27410	-27410	-28960	-31160	05360	24320
.598	6.353	-23100	-23050	-23030	-23220	-28190	-28190	-28330	-31580	00790	29220
GRADIENT		-00174	-00181	-00152	-00191	-00202	-00202	-00152	-00243	-02415	02460

RUN NO. 0/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.799	-6.074	-22900	-22730	-23440	-22900	-27860	-27860	-28440	-30200	33340	01540
.798	-1.958	-22760	-22700	-22420	-22330	-28460	-28460	-29700	-31740	24380	12390
.798	.918	-23110	-22150	-22960	-22130	-29090	-29090	-29430	-32100	21100	14730
.799	.155	-23320	-23250	-23210	-22990	-28200	-28200	-29700	-31740	19050	17380
.798	.647	-23260	-23490	-23200	-23410	-29110	-29110	-30610	-32750	18110	19010
.799	1.161	-23020	-23320	-23060	-23170	-29810	-29810	-30520	-32660	16890	19760
.799	2.246	-23740	-23080	-23490	-23640	-28780	-28780	-30370	-32510	14160	23260
.798	3.308	-23650	-23520	-23370	-23540	-29880	-29880	-31200	-32960	10870	25340
.798	4.352	-23110	-23770	-24010	-24370	-29720	-29720	-31460	-33000	08550	28130
.798	6.427	-25420	-24850	-25380	-25660	-30900	-30900	-32090	-33690	03630	33060
GRADIENT		-00085	-00189	-00198	-00319	-00199	-00199	-00315	-00204	-02477	02518

RUN NO. 0/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.901	-6.104	-25810	-25490	-25590	-25210	-32920	-32920	-33140	-33980	39070	05980
.902	-1.921	-24220	-24110	-24050	-24690	-31990	-31990	-32000	-32920	29680	17090
.900	.862	-25400	-25180	-25100	-24990	-33220	-33220	-33430	-33050	26370	19200
.908	.038	-25790	-25880	-25620	-25550	-33710	-33710	-33940	-34180	23920	21420
.901	.450	-25130	-25490	-24590	-25200	-32750	-32750	-32960	-32160	23600	23140
.900	.960	-24840	-25200	-26270	-25260	-33810	-33810	-33130	-34390	22080	24160
.900	2.063	-24870	-25480	-25600	-25360	-32910	-32910	-33210	-32920	20090	27340
.899	3.136	-26690	-26300	-26740	-26860	-33780	-33780	-34460	-33780	17400	29920
.899	4.187	-27000	-26640	-27240	-27330	-34990	-34990	-35150	-35690	15060	32480
.899	6.259	-28520	-28900	-28210	-29430	-36910	-36910	-37570	-37240	09510	37750
GRADIENT		-00362	-00331	-00469	-00413	-00339	-00339	-00392	-00328	-02314	02548

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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(EEFY41) (19 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = 5.000
 AILRON = .000 BDFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

MACH	RUN NO. 0 / 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00										
	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.951	-6.090	-27850	-27890	-28300	-28130	-33430	-33430	-34480	-34470	.41470	.09150
.950	-1.912	-26440	-26240	-26070	-26570	-34170	-34170	-35410	-35850	.32100	.20250
.952	-.845	-27600	-27120	-26560	-27510	-35610	-35610	-35890	-36450	.29640	.22850
.951	.073	-27660	-27810	-27150	-27430	-36300	-36300	-36530	-36450	.27580	.25170
.952	.484	-27340	-27180	-26950	-27110	-35230	-35230	-37340	-37270	.27300	.26340
.951	1.080	-27360	-27320	-27390	-27010	-35600	-35600	-36300	-37090	.25750	.27940
.951	2.125	-26850	-26200	-26620	-26120	-35320	-35320	-36180	-36540	.22810	.30650
.951	3.188	-27060	-27090	-27080	-27290	-36220	-36220	-37310	-37640	.20200	.33050
.951	4.220	-28080	-28680	-29040	-28230	-37820	-37820	-38000	-37860	.17850	.35540
.951	6.302	-29970	-29840	-29810	-29670	-39770	-39770	-40550	-41620	.12980	.40830
.950	GRADIENT	-00105	-00197	-00330	-00115	-00401	-00401	-00340	-00287	-.02343	.02514

MACH	RUN NO. 0 / 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00										
	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.294	-6.120	-33040	-33110	-33150	-33210	-34900	-34900	-34910	-35050	.56050	.33850
1.296	-2.044	-31300	-31560	-31420	-31580	-33670	-33670	-33980	-34090	.48360	.39090
1.295	-1.041	-31220	-31390	-31630	-31530	-33380	-33380	-32990	-33180	.46600	.39230
1.294	.015	-31410	-31380	-31680	-31910	-33340	-33340	-33850	-33920	.45390	.40420
1.294	.514	-31840	-31790	-31760	-31840	-33240	-33240	-33630	-33610	.44770	.41180
1.295	1.038	-31600	-31320	-31490	-31510	-33230	-33230	-33270	-33760	.43720	.42050
1.294	2.122	-31420	-31780	-31300	-31620	-33140	-33140	-32960	-33210	.41210	.44050
1.293	3.174	-32110	-32170	-32100	-32100	-33020	-33020	-33130	-33530	.39810	.46220
1.294	4.223	-32180	-32280	-32400	-32400	-32950	-32950	-33340	-33410	.38940	.48650
1.293	6.316	-32040	-32210	-32060	-31990	-33020	-33020	-33510	-33890	.36130	.53870
	GRADIENT	-00146	-00139	-00118	-00112	-00104	-00104	-00089	-00069	-.01576	.01592

MACH	RUN NO. 0 / 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00										
	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.401	-6.164	-31000	-31150	-31220	-31130	-32250	-32250	-33010	-32900	.59690	.36610
1.406	-2.003	-31350	-31620	-31690	-31740	-32360	-32360	-33150	-33540	.51120	.43920
1.405	-.935	-31410	-31610	-31680	-31690	-32270	-32270	-33540	-33430	.50100	.44970
1.404	.093	-31640	-31640	-31820	-31770	-32170	-32170	-33320	-33750	.49650	.46480
1.403	.568	-31740	-31830	-31770	-32040	-32370	-32370	-33190	-33520	.49310	.46320
1.402	1.117	-31770	-31670	-31780	-31890	-32290	-32290	-33110	-33660	.48820	.47120
1.403	2.207	-31580	-31710	-31630	-31580	-32180	-32180	-33310	-33550	.45660	.48210
1.402	3.290	-31550	-31740	-31640	-31720	-32050	-32050	-33250	-33500	.42050	.49980
1.403	4.352	-31310	-30870	-31930	-31720	-32350	-32350	-33160	-33000	.39970	.52210
1.400	6.459	-30930	-31020	-31010	-31050	-31850	-31850	-33140	-33030	.37380	.56950
	GRADIENT	.05428	.01105	.01279	.02419	.00018	.00018	.00038	.03471	-.01835	.01240

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = -5.000
ATLRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 190/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.598	-6.039	-.24040	.29640	-.00970
.598	-1.923	-.23530	.20390	.09190
.597	-.880	-.23640	.17750	.11590
.597	.085	-.23720	.15370	.13970
.598	.540	-.23650	.14250	.15330
.597	1.069	-.24010	.12590	.16350
.597	2.144	-.23820	.10190	.19200
.598	3.209	-.23990	.07470	.21750
.597	4.273	-.23470	.05480	.24510
.597	6.357	-.23990	.00230	.29320
	GRADIENT	-.00022	-.02444	.02478

RUN NO. 118/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.799	-6.062	-.26160	.33230	.01470
.798	-1.968	-.26650	.23380	.11600
.799	-.851	-.25580	.21330	.15140
.798	.129	-.26500	.19200	.17180
.799	.573	-.26440	.18560	.18470
.799	1.126	-.25990	.17300	.20250
.797	2.212	-.26660	.13450	.22750
.799	3.290	-.26420	.11140	.25510
.799	4.350	-.26700	.08600	.28010
.799	6.437	-.26600	.03430	.33310
	GRADIENT	-.00065	-.02418	.02577

RUN NO. 176/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.900	-6.107	-.32510	.39030	.06090
.900	-1.911	-.31870	.29280	.17160
.901	-.850	-.32530	.26460	.19410
.899	.038	-.31730	.23980	.21660
.900	.443	-.32500	.23270	.22820
.901	.954	-.32120	.22340	.24330
.898	2.041	-.33000	.19580	.26700
.900	3.119	-.33140	.17380	.29450
.901	4.179	-.32580	.15610	.32600
.898	6.245	-.33000	.09880	.37810
	GRADIENT	-.00162	-.02245	.02533

OAI45 TABULATED FORCE DATA

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. X0
 LREF = 474.8100 INCHES YMRP = .0000 IN. Y0
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. Z0
 SCALE = .0500

(E2F042) (06 MAR 80)

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = -5.000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO.	129/ 0	RN/L = 4.99	GRADIENT INTERVAL = -5.00/ 5.00
MACH	BETA	CP240	CP12
.951	-6.120	-.33410	.09440
.951	-1.895	-.33070	.20550
.951	-.826	-.32900	.23060
.951	.074	-.33270	.25310
.951	.473	-.33720	.26360
.951	1.037	-.33440	.27800
.951	2.118	-.33170	.30300
.952	3.190	-.33580	.33150
.952	4.230	-.34590	.35790
.950	6.306	-.35430	.41080
	GRADIENT	-.00197	.02492

RUN NO.	434/ 0	RN/L = 5.02	GRADIENT INTERVAL = -5.00/ 5.00
MACH	BETA	CP240	CP12
1.102	-6.203	-.34090	.54450
1.102	-2.082	-.34230	.44940
1.101	-1.040	-.34030	.42540
1.102	.101	-.33890	.40030
1.101	.694	-.34240	.38420
1.102	1.170	-.33290	.37610
1.101	2.213	-.33420	.35020
1.100	3.259	-.32460	.33260
1.101	4.303	-.34070	.30760
1.100	6.388	-.33980	.27210
	GRADIENT	.00145	-.02211

RUN NO.	167/ 0	RN/L = 5.04	GRADIENT INTERVAL = -5.00/ 5.00
MACH	BETA	CP240	CP12
1.199	-6.118	-.31550	.56410
1.202	-1.908	-.31480	.47490
1.199	-.865	-.31360	.45100
1.201	.035	-.31440	.43190
1.200	.445	-.31130	.42340
1.200	.967	-.30970	.41730
1.198	2.061	-.31350	.39980
1.199	3.144	-.31840	.38110
1.199	4.192	-.31420	.36420
1.198	6.275	-.32520	.32340
	GRADIENT	-.00032	-.01766

(E2F042) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = -5.000
 AILRON = .000 BDFLAP = .000
 SPDGRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 139/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.293	-6.140	.33050	.55980	.33680
1.297	-2.045	.32170	.48430	.39220
1.295	-1.014	.32120	.46770	.39470
1.295	.078	.32080	.45320	.40590
1.294	.596	.31770	.44590	.41270
1.294	1.136	.31890	.43670	.42020
1.294	2.149	.31730	.41620	.44040
1.294	3.189	.31440	.40130	.46290
1.294	4.228	.31270	.39060	.48720
1.292	6.316	.31410	.35820	.53330
	GRADIENT	.00149	-.01542	.01566

RUN NO. 159/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.401	-6.157	.31010	.59170	.36660
1.406	-2.000	.31360	.50920	.43840
1.405	.937	.31200	.49800	.45130
1.405	.092	.31150	.48750	.46290
1.404	.560	.31410	.49040	.46730
1.405	1.110	.31320	.48640	.47080
1.403	2.197	.31320	.45560	.47970
1.402	3.282	.31280	.41820	.49680
1.404	4.348	.30870	.40410	.51900
1.400	6.469	.30440	.37040	.58840
	GRADIENT	.00642	-.01742	.01183

OAI45 TABULATED FORCE DATA

AMES 118-1-11 OAI45A 01

DATE 10 MAR 80

(EEFY42) (19 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ. FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA =
 AILRON =
 SPOBRK =
 RN/L =
 5.000 ELEVON = -5.000
 .000 BDFLAP = .000
 25.000 RUDDER = .000
 5.000

RUN NO. 0/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.598	-6.039	-20390	-20460	-20030	-20590	-24040	-24040	-24610	-25640	.29640	-.00970
.598	-1.923	-19280	-19640	-19590	-19380	-23530	-23530	-24210	-25010	.20390	-.09190
.597	-.880	-19560	-19750	-19020	-19560	-23640	-23640	-24400	-24870	.17750	.11590
.597	.085	-19550	-19780	-19500	-19480	-23720	-23720	-23820	-25090	.15370	.13970
.598	.540	-19580	-19390	-19250	-19580	-23650	-23650	-24220	-25280	.14250	.15330
.597	1.069	-19570	-19320	-19590	-19620	-24010	-24010	-24080	-25210	.12590	.16350
.598	2.144	-19840	-19910	-19670	-19910	-23820	-23820	-24130	-24880	.10190	.19200
.597	3.209	-20560	-20630	-20560	-20420	-23990	-23990	-24430	-25830	.07470	.21750
.597	4.273	-20260	-20210	-20140	-19950	-23470	-23470	-24530	-24930	.05480	.24510
.597	6.357	-20720	-20160	-20720	-20750	-23990	-23990	-24340	-25120	.00230	.29320
.597	GRADIENT	-00184	-00134	-00177	-00136	-00022	-00022	-00047	-00047	-.02444	-.02478

RUN NO. 0/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.799	-6.062	-21200	-21390	-20510	-21050	-26160	-26160	-26440	-27270	.33230	.01470
.798	-1.988	-20240	-20530	-20560	-20790	-26650	-26650	-26610	-27490	.23380	.11600
.799	-.851	-20390	-20610	-20480	-20440	-25580	-25580	-26910	-27340	.21330	.15140
.798	.129	-20460	-20830	-20400	-20190	-26500	-26500	-26500	-28040	.19200	.17180
.799	.573	-20470	-20220	-20580	-19980	-26440	-26440	-27000	-27620	.18560	.18470
.799	1.126	-20130	-20540	-20020	-20560	-25990	-25990	-26340	-27690	.17300	.20250
.797	2.212	-21140	-20460	-20820	-20990	-26660	-26660	-27600	-27950	.13450	.22750
.799	3.290	-20750	-20800	-21250	-20880	-26420	-26420	-27300	-28480	.11140	.25510
.799	4.350	-21380	-21270	-21400	-20880	-26700	-26700	-27050	-28570	.08600	.28010
.799	6.437	-21300	-21260	-21450	-21260	-26500	-26500	-26520	-27740	.03430	.33310
.798	GRADIENT	-00167	-00085	-00155	-00078	-00065	-00065	-00107	-00189	-.02418	-.02577

RUN NO. 0/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.900	-6.107	-22500	-22380	-22400	-22570	-32510	-32510	-32120	-32530	.39030	.06090
.900	-1.911	-20610	-20270	-21220	-20930	-31870	-31870	-33210	-32820	.29280	.17160
.901	-.850	-20980	-21060	-21130	-21250	-32530	-32530	-32960	-33060	.26460	.19410
.899	.038	-21520	-21040	-21480	-21730	-31730	-31730	-31520	-32650	.23980	.21660
.900	.443	-21000	-21260	-20990	-21170	-32500	-32500	-32510	-32960	.23270	.22820
.901	.954	-21230	-20770	-21330	-21210	-32120	-32120	-32170	-32700	.22340	.24330
.901	2.041	-21720	-21650	-21940	-22200	-33000	-33000	-33240	-33690	.19580	.26700
.898	3.119	-21770	-21940	-22350	-21670	-33140	-33140	-33100	-33690	.17380	.29450
.900	4.179	-22420	-22180	-22350	-22060	-32580	-32580	-32540	-33120	.15610	.32600
.901	6.245	-23650	-23580	-23720	-23770	-33000	-33000	-33330	-34610	.09880	.37810
.898	GRADIENT	-00262	-00287	-00207	-00187	-00162	-00162	-00007	-00043	-.02245	-.02533

(E2FY42) (19 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

ALPHA = 5.000 ELEVON = -5.000
AILIRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO.		0/ 0	RN/L = 4.99	GRADIENT INTERVAL = -5.00/ 5.00
MACH				
BETA				
.951	CP225	CP228	CP231	CP234
.951	-.23970	-.23720	-.24050	-.23570
.951	-.21340	-.21230	-.21520	-.21420
.951	-.21420	-.21420	-.21280	-.21360
.951	-.22430	-.22440	-.22250	-.22330
.951	-.22990	-.22460	-.22430	-.22250
.951	-.21170	-.22000	-.22020	-.21990
.951	-.21180	-.21430	-.21730	-.21760
.952	-.21760	-.22370	-.22420	-.22300
.952	-.23130	-.23180	-.23550	-.24010
.952	-.26100	-.24740	-.34590	-.35430
.950	-.00155	-.00225	-.00266	-.00315
GRADIENT				

RUN NO.		0/ 0	RN/L = 4.98	GRADIENT INTERVAL = -5.00/ 5.00
MACH				
BETA				
1.293	CP225	CP228	CP231	CP234
1.297	-.31740	-.31890	-.31920	-.31900
1.297	-.31030	-.30880	-.30750	-.30750
1.295	-.30720	-.30830	-.30540	-.30620
1.295	-.30770	-.30660	-.30690	-.30430
1.294	-.30970	-.30830	-.30780	-.30500
1.294	-.30650	-.30490	-.30570	-.30750
1.294	-.30980	-.30750	-.30800	-.30850
1.294	-.31250	-.30680	-.31050	-.30820
1.294	-.31510	-.31120	-.31030	-.31110
1.292	-.31050	-.30710	-.30710	-.30750
1.292	-.00091	-.00016	-.00066	-.00068
GRADIENT				

RUN NO.		0/ 0	RN/L = 5.00	GRADIENT INTERVAL = -5.00/ 5.00
MACH				
BETA				
1.401	CP225	CP228	CP231	CP234
1.406	-.30480	-.30380	-.30320	-.30420
1.405	-.31180	-.31050	-.31070	-.30880
1.405	-.31020	-.30780	-.30750	-.30750
1.405	-.30830	-.30670	-.30840	-.30790
1.404	-.30950	-.30820	-.30820	-.30790
1.405	-.30740	-.30750	-.30730	-.30620
1.405	-.30990	-.30810	-.30810	-.31010
1.403	-.30550	-.30570	-.30480	-.30610
1.402	-.30250	-.30040	-.30040	-.30080
1.404	-.29650	-.29450	-.29580	-.29410
1.400	-.00122	-.00114	-.00125	-.00085
GRADIENT				

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA =
 AILRON =
 SPDBRK =
 RN/L =
 ELEVON =
 BOFLAP =
 RUDDER =

RUN NO. 189/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.598	-6.025	-.25510	.29680	-.00910
.597	-1.915	-.24950	.20240	.09010
.598	-.872	-.24930	.17630	.11390
.597	.085	-.25170	.15330	.13540
.598	.533	-.24910	.14020	.15010
.598	1.063	-.24490	.12710	.16680
.598	2.139	-.25040	.09940	.19090
.598	3.205	-.24590	.07760	.21910
.597	4.272	-.24980	.05040	.23940
.597	6.356	-.24080	.00290	.29480
	GRADIENT	.00025	-.02454	.02480

RUN NO. 117/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.799	-6.050	-.25660	.33050	.01470
.799	-1.935	-.26130	.23710	.12290
.799	-.888	-.26230	.20870	.14580
.799	.106	-.25830	.18400	.16930
.800	.595	-.26330	.18440	.18700
.799	1.118	-.26750	.17200	.19860
.798	2.208	-.26650	.13620	.22690
.798	3.287	-.26810	.11080	.25370
.799	4.349	-.26530	.08610	.28020
.798	6.439	-.26320	.03760	.33230
	GRADIENT	-.00109	-.02393	.02540

RUN NO. 175/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.900	-6.126	-.31570	.39280	.06070
.900	-1.870	-.30870	.28940	.17040
.902	-.832	-.30950	.26990	.19970
.900	.039	-.31070	.24130	.21770
.899	.420	-.31380	.23310	.22610
.899	.944	-.31180	.22180	.24170
.900	2.029	-.31290	.19950	.26900
.900	3.108	-.30650	.17980	.29930
.899	4.167	-.31440	.15140	.32320
.898	6.235	-.31100	.09390	.37520
	GRADIENT	-.00039	-.02261	.02541

0A145 TABULATED FORCE DATA
AMES 118-1-11 0A145A 01

(E2F043) (06 MAR 80)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

ALPHA = 5.000 ELEVON = -10.000
AILRON = .000 BOFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 128/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.953	-6.085	-.30280	.41590	.09680
.952	-1.951	-.30300	.31870	.20090
.951	-.798	-.31010	.29320	.22860
.951	.072	-.30770	.27140	.25110
.952	.463	-.30360	.27000	.26410
.951	1.027	-.30890	.25900	.27590
.951	2.110	-.30830	.22980	.30230
.950	3.179	-.31050	.20250	.33060
.951	4.220	-.32610	.17530	.35370
.949	6.296	-.33240	.12960	.40720
	GRADIENT	-.00262	-.02304	.02497

RUN NO. 433/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.102	-6.176	-.32980	.53960	.21660
1.102	-2.052	-.31100	.44680	.30460
1.101	-1.004	-.30620	.42110	.32990
1.102	.095	-.29980	.40230	.35930
1.101	.665	-.29770	.38570	.37180
1.101	1.165	-.29490	.37520	.38630
1.099	2.221	-.29620	.35090	.41040
1.100	3.267	-.29530	.32810	.43760
1.100	4.312	-.29400	.31020	.46470
1.098	6.394	-.30810	.26910	.51740
	GRADIENT	.00253	-.02173	.02511

RUN NO. 166/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.202	-6.156	-.31650	.56570	.28170
1.203	-1.901	-.28530	.47410	.34200
1.200	-.854	-.28140	.45130	.36350
1.201	.036	-.27770	.43240	.38700
1.200	.444	-.29580	.42310	.39420
1.199	.958	-.28630	.41530	.40760
1.197	2.062	-.30100	.39830	.43440
1.199	3.142	-.30230	.38210	.46110
1.199	4.193	-.30620	.36460	.48810
1.195	6.277	-.31140	.32200	.54160
	GRADIENT	-.00441	-.01756	.02411

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

PAGE 1735

(E2F043) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 ELEVON = -10.000
LREF = 474.8100 INCHES YMRP = .0000 IN. YO AILRON = .000 BDFLAP = .000
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPDBRK = 25.000 RUDDER = .000
SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 138/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.298	-6.094	-.33820	.56220	.33910
1.299	-1.948	-.31420	.48340	.39610
1.297	-.887	-.31130	.46840	.39940
1.294	.166	-.31220	.45200	.40630
1.295	.628	-.31100	.44720	.41510
1.294	1.183	-.31240	.43490	.42440
1.293	2.277	-.31230	.40940	.44400
1.294	3.348	-.30740	.39880	.46830
1.294	4.397	-.31340	.38830	.49000
1.294	6.488	-.31440	.36060	.54200
	GRADIENT	.00033	-.01584	.01559

RUN NO. 158/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.406	-6.157	-.31080	.58950	.36530
1.407	-1.973	-.31060	.50740	.44010
1.406	-.914	-.31240	.49470	.44980
1.405	-.019	-.31290	.48750	.46070
1.403	.559	-.31680	.48930	.46640
1.403	1.100	-.31500	.48020	.46880
1.404	2.190	-.31590	.45530	.47960
1.403	3.275	-.31860	.42110	.49950
1.402	4.345	-.31570	.40110	.52150
1.399	6.469	-.31010	.36950	.56370
	GRADIENT	-.00099	-.01719	.01231

PARAMETRIC DATA

ALPHA	=	5.000	ELEVON	=	-10.000
AILRON	=	.000	BDFLAP	=	.000
SPDBRK	=	25.000	RUDDER	=	.000
RN/L	=	5.000			

REFERENCE DATA

=	2690.0000	SQ.FT.	YMRP	=	1076.6800	IN. X0
=	474.8100	INCHES	YMRP	=	.0000	IN. Y0
=	936.6800	INCHES	ZMRP	=	375.0000	IN. Z0
=	.0500	SCALE				

BIN NO	0/ 0	RN/L =	4.99	GRADIENT INTERVAL =	-5.00/	5.00
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MACH	BETA	CP235	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.596	-6.025	-1.5570	-1.9240	-1.9460	-1.9620	-2.5510	-2.5510	-2.5020	-2.6240	.29680	-.00910
.597	-1.915	-1.8690	-1.9360	-1.9150	-1.9080	-2.4950	-2.4950	-2.5420	-2.5840	.20240	.09010
.598	-.872	-1.8620	-1.9180	-1.8710	-1.8730	-2.4930	-2.4930	-2.5260	-2.5550	.17630	.11390
.597	-.085	-1.9270	-1.9100	-1.9480	-1.9220	-2.5170	-2.5170	-2.5340	-2.5620	.13540	.13540
.598	.633	-1.9330	-1.8880	-1.9160	-1.8980	-2.4910	-2.4910	-2.5410	-2.5720	.14020	.15010
.598	1.063	-1.8990	-1.8910	-1.8470	-1.8870	-2.4910	-2.4490	-2.4940	-2.5320	.12710	.16680
.598	2.139	-1.9110	-1.8920	-1.8830	-1.9250	-2.5040	-2.5040	-2.4930	-2.5580	.09940	.19090
.598	3.205	-1.9000	-1.8620	-1.8650	-1.8930	-2.4590	-2.4590	-2.4830	-2.4690	.07760	.21910
.597	4.272	-1.9210	-1.9640	-1.9990	-1.9590	-2.4980	-2.4980	-2.5210	-2.5850	.05040	.23940
.597	6.356	-1.9310	-1.9570	-1.9690	-1.9970	-2.4080	-2.4080	-2.4640	-2.4810	.00290	.29480
.597	8.441	-1.9310	-1.9610	-1.9050	-1.9070	-2.0025	-2.0025	-2.0067	-2.0063	-.02454	.02480

BN	NO	BN/L	GRADIENT	INTERVAL	
0	0	4.98	-5.00	5.00	

[illegible][illegible][illegible]

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA =
AILRON =
SPDBRK =
RN/L =

5.000
.000
25.000
5.000

ELEVON =
BDFLAP =
RUDDER =

-10.000
.000
.000

RUN NO. 0/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.293	-6.085	-22790	-22710	-22810	-22730	-30280	-30280	-31200	-32040	.41590	.09680
1.298	-1.951	-20920	-20790	-20360	-20480	-30300	-30300	-30710	-31460	.31870	.20090
1.297	-.798	-20600	-20560	-21030	-21110	-31010	-31010	-31570	-31690	.29320	.22860
1.294	.072	-21340	-21370	-21140	-21200	-30770	-30770	-31190	-31750	.27140	.25110
1.295	.463	-20530	-20570	-20790	-20290	-30360	-30360	-30340	-31550	.27000	.26410
1.291	1.027	-20540	-20640	-20790	-20700	-30890	-30890	-31670	-31470	.25900	.27590
1.291	2.110	-20460	-20680	-20790	-20840	-30830	-30830	-31570	-31720	.22980	.30230
1.290	3.179	-20710	-21020	-20860	-20840	-31050	-31050	-31740	-31540	.20250	.33060
1.291	4.220	-22300	-22660	-22200	-21920	-32610	-32610	-32830	-33110	.17530	.35370
1.291	6.296	-23680	-23570	-23450	-23650	-33240	-33240	-33930	-33900	.12960	.40720
1.294	GRADIENT	-.00131	-.00214	-.00175	-.00135	-.00262	-.00262	-.00273	-.00168	-.02304	.02497

RUN NO. 0/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.298	-6.094	-31650	-31710	-31820	-31890	-33820	-33820	-33850	-32810	.56220	.33910
1.299	-1.948	-30390	-30650	-30610	-30430	-31420	-31420	-31590	-31880	.48340	.39610
1.297	-.887	-30780	-30460	-30490	-30320	-31130	-31130	-31710	-31570	.46840	.39940
1.294	.166	-30940	-30820	-30550	-30740	-31220	-31220	-31950	-32050	.45200	.40630
1.295	.628	-31020	-30680	-30280	-30430	-31100	-31100	-31820	-31670	.44720	.41510
1.294	1.183	-30750	-30530	-30310	-30600	-31240	-31240	-31670	-31880	.43490	.42440
1.293	2.277	-31270	-30880	-30870	-31000	-31230	-31230	-31800	-31960	.40940	.44400
1.294	3.348	-30880	-30950	-30660	-30760	-30740	-30740	-31260	-31540	.39880	.46830
1.294	4.397	-30860	-31010	-30990	-31100	-31340	-31340	-32070	-31780	.38830	.49000
1.294	6.488	-31040	-30890	-31120	-31300	-31440	-31440	-32370	-31870	.36060	.54200
1.294	GRADIENT	-.00062	-.00072	-.00066	-.00110	.00033	.00033	-.00011	.00013	-.01584	.01559

RUN NO. 0/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.406	-6.157	-30380	-30330	-30080	-30140	-31080	-31080	-32170	-32450	.58950	.36530
1.407	-1.973	-31180	-30610	-30680	-30750	-31060	-31060	-31520	-32140	.50740	.44010
1.406	-.914	-31020	-30600	-30570	-30540	-31240	-31240	-32080	-32190	.49470	.44980
1.405	-.019	-30920	-30750	-30590	-30490	-31290	-31290	-32620	-32300	.48750	.46070
1.403	.559	-30900	-30700	-30770	-30690	-31680	-31680	-32480	-32420	.48930	.46640
1.403	1.100	-30800	-30720	-30810	-30600	-31500	-31500	-32780	-32820	.48020	.46880
1.403	2.190	-30650	-30830	-30770	-30770	-31590	-31590	-32890	-32890	.45530	.47960
1.404	3.275	-30790	-30560	-30810	-30730	-31860	-31860	-32910	-33030	.42110	.49950
1.403	4.345	-30860	-30670	-30650	-30590	-31570	-31570	-32310	-32740	.40110	.52150
1.402	6.469	-30430	-30200	-30250	-30240	-31010	-31010	-31640	-32310	.36950	.56370
1.399	GRADIENT	-.00056	-.00005	-.00018	-.00006	-.00099	-.00099	-.00109	-.00139	-.01719	.01231

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

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(E2F044) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA =
AILRON =
SPOBRK =
RN/L =
10.000
.000
25.000
5.000
ELEVON =
BDFLAP =
RUDDER =
-5.000
.000
.000

RUN NO. 782/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.597	-6.029	-.26040	.34300	-.01670
.595	-1.970	-.26110	.23720	.09410
.596	-.955	-.26440	.21230	.12870
.596	.069	-.26750	.17770	.14810
.596	.560	-.26350	.16650	.16710
.597	1.059	-.26250	.14980	.18110
.595	2.087	-.26310	.12970	.21130
.596	3.108	-.26280	.09650	.24140
.593	4.148	-.27880	.06080	.25890
.596	6.211	-.26810	.00380	.32570
	GRADIENT	-.00230	-.02838	.02745

RUN NO. 781/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.798	-6.085	-.30540	.39240	.01250
.799	-2.008	-.30930	.28120	.13020
.799	-.981	-.30550	.25440	.16330
.798	.057	-.30980	.22520	.19180
.798	.558	-.30980	.21070	.20880
.799	1.062	-.31400	.19450	.22080
.798	2.110	-.31260	.17420	.25400
.797	3.142	-.32720	.13820	.27770
.798	4.193	-.32790	.11470	.30960
.798	6.273	-.31690	.05650	.37660
	GRADIENT	-.00359	-.02707	.02865

RUN NO. 774/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.898	-6.112	-.32690	.43590	.05730
.901	-2.023	-.34220	.32810	.17390
.900	-.988	-.34350	.29950	.20410
.899	.056	-.34720	.27190	.23500
.900	.557	-.35620	.25740	.24720
.900	1.069	-.35660	.24180	.26180
.898	2.113	-.35350	.21650	.29320
.898	3.158	-.36610	.18260	.31890
.898	4.219	-.35730	.16340	.35280
.896	6.299	-.36270	.10370	.41080
	GRADIENT	-.00324	-.02693	.02837

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OAI45 TABULATED FORCE DATA

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(E2F044) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 10.000 ELEVON = -5.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO AIRLON = .000 BDFLAP = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPOBRK = 25.000 RUDDER = .000
 SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 773/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.950	-6.125	-.34930	.46680	.09010
.951	-2.033	-.36800	.35780	.20460
.951	-.996	-.36770	.33130	.23690
.951	.051	-.37380	.30390	.26680
.950	.556	-.37480	.28880	.27930
.951	1.067	-.36730	.27790	.29820
.950	2.120	-.37700	.24950	.32420
.949	3.166	-.37220	.22110	.35210
.949	4.229	-.37370	.19390	.38200
.949	6.316	-.36960	.14170	.44270
	GRADIENT	-.00095	-.02625	.02811

RUN NO. 769/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.201	-6.130	-.32820	.58450	.26630
1.203	-2.038	-.32470	.48290	.31690
1.199	-1.003	-.32940	.45610	.34170
1.198	.046	-.33530	.43130	.37150
1.201	.552	-.33290	.42100	.38820
1.200	1.071	-.32540	.40970	.40510
1.196	2.128	-.32550	.38110	.42990
1.199	3.172	-.32520	.36210	.46040
1.198	4.233	-.32130	.34500	.49190
1.195	6.323	-.32420	.30940	.54630
	GRADIENT	.00106	-.02228	.02805

RUN NO. 762/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.294	-6.140	-.33800	.58900	.32360
1.300	-2.046	-.33780	.49470	.36560
1.300	-1.003	-.33230	.47580	.37710
1.298	.052	-.33610	.45450	.39240
1.298	.561	-.33450	.44320	.39990
1.298	1.074	-.33340	.43460	.41040
1.296	2.132	-.33420	.41350	.43200
1.296	3.192	-.33470	.39910	.45880
1.295	4.244	-.33210	.39180	.48500
1.293	6.334	-.31550	.36950	.54330
	GRADIENT	.00048	-.01709	.01925

OAI45 TABULATED FORCE DATA

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(E2F044) (06 MAR 80)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 761/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = -5.000
 AILRON = .000 BOFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

MACH	BETA	CP240	CP12	CP13
1.404	-6.152	-31060	.60890	.36050
1.409	-2.045	-31050	.51800	.43260
1.409	-1.005	-31060	.49830	.44900
1.409	.049	-31220	.48990	.46560
1.409	.556	-31100	.48530	.46970
1.407	1.072	-30970	.48050	.47230
1.406	2.139	-30930	.46620	.47610
1.404	3.183	-31100	.45110	.48960
1.404	4.256	-31070	.43140	.50900
1.402	6.356	-30140	.38210	.56350
	GRADIENT	.00006	-.01290	.01085

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(E2F045) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 783/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = 5.000
 AILPON = .000 BOFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

MACH	BETA	CP240	CP12	CP13
.597	-6.057	-.27370	.34870	-.01110
.597	-1.995	-.28350	.23940	.09390
.596	-.974	-.29130	.21070	.12500
.596	.057	-.29430	.17660	.14580
.596	.555	-.28140	.17000	.17180
.595	1.059	-.28810	.15220	.18160
.596	2.094	-.28550	.12500	.21400
.597	3.121	-.29180	.09780	.24210
.595	4.164	-.30200	.06930	.26660
.597	6.229	-.30740	.01170	.32920
	GRADIENT	-.00247	-.02748	.02850

0A145 TABULATED FORCE DATA
AMES 118-1-11 0A145A 01

REFERENCE DATA
SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

PARAMETRIC DATA
ALPHA = 10.000
AILRON = .000
SPDBRK = 25.000
RN/L = 5.000

ELEVON = 5.000
BDFLAP = .000
RUDDER = .000

RUN NO. 780/ 0		RN/L = 5.03		GRADIENT INTERVAL = -5.00/ 5.00	
MACH		BETA		CP240	
.798		-6.102		.39210	
.797		-2.024		.28150	
.799		-.992		.25680	
.797		.050		.22590	
.800		.553		.21320	
.797		1.067		.19940	
.799		2.111		.17230	
.798		3.155		.13900	
.798		4.209		.11170	
.798		6.289		.05410	
		GRADIENT		.02749	
				.00357	

RUN NO. 775/ 0		RN/L = 5.05		GRADIENT INTERVAL = -5.00/ 5.00	
MACH		BETA		CP240	
.901		-6.132		.43720	
.902		-2.031		.32670	
.900		-.995		.30130	
.899		.050		.27480	
.900		.557		.25820	
.901		1.071		.24980	
.898		2.120		.21600	
.898		3.168		.18920	
.899		4.230		.16430	
.897		6.312		.10590	
		GRADIENT		.00057	
				.02637	

RUN NO. 772/ 0		RN/L = 5.05		GRADIENT INTERVAL = -5.00/ 5.00	
MACH		BETA		CP240	
.950		-6.133		.46420	
.951		-2.044		.35850	
.952		-1.005		.32660	
.949		.046		.30270	
.950		.554		.28990	
.951		1.070		.27730	
.950		2.123		.25010	
.949		3.174		.22240	
.951		4.237		.19890	
.949		6.323		.14260	
		GRADIENT		.00008	
				.02566	

(E2F045) (05 MAR 80)

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. X0
 LREF = 474.8100 INCHES YMRP = .0000 IN. Y0
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. Z0
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = 5.000
 AILRON = .000 BOFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 768/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.198	-6.137	-33620	58580	26340
1.200	-2.045	-33290	48230	31770
1.199	-1.008	-33230	45700	34270
1.201	.042	-32490	43360	37370
1.199	.549	-32750	41970	38660
1.200	1.063	-32360	40880	40260
1.200	2.122	-32070	38540	43200
1.197	3.173	-32580	35890	45720
1.197	4.239	-32460	34280	49000
1.195	6.329	-32430	31070	54910
	GRADIENT	.00144	-.02259	.02747

RUN NO. 763/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.293	-6.163	-33540	58730	32180
1.299	-2.015	-33300	49470	36470
1.298	-.939	-33360	47430	37520
1.298	.152	-33400	45430	39350
1.298	.684	-33340	44380	40220
1.297	1.229	-33370	43220	41100
1.299	2.297	-32740	41320	43610
1.297	3.358	-32350	40050	46290
1.296	4.408	-32960	39120	48750
1.292	6.456	-31600	36750	54500
	GRADIENT	.00126	-.01661	.01961

RUN NO. 760/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.398	-6.152	-30990	61100	36330
1.405	-2.052	-31320	51870	43100
1.406	-1.011	-31260	50120	44780
1.406	.046	-31310	48910	46450
1.406	.555	-31200	48470	46840
1.406	1.073	-31000	47910	47100
1.406	2.132	-30730	46890	47680
1.404	3.189	-30850	45200	48930
1.405	4.248	-30660	43470	51310
1.404	6.354	-29930	38280	56160
	GRADIENT	.00117	-.01262	.01157

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(E2F046) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 264/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.598	-5.793	-.21370	-.03640	-.03880
.600	-.898	-.21370	.09490	.08440
.599	1.705	-.21900	.14420	.13220
.598	4.213	-.24000	.17610	.15720
.597	6.232	-.25320	.19490	.17770
.598	7.275	-.24710	.20580	.19170
.597	9.309	-.26110	.21000	.18830
.597	11.363	-.27710	.21760	.18770
.597	14.457	-.31750	.19980	.17140
	GRADIENT	-.00513	.01591	.01427

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = 3.000 BOFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 250/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.802	-5.827	-.19970	.00330	-.00020
.801	-.827	-.20610	.12440	.10480
.800	1.693	-.20680	.15410	.13950
.799	4.212	-.21020	.18670	.16860
.800	6.262	-.19270	.21400	.18690
.798	7.289	-.19870	.21990	.19320
.799	9.315	-.21730	.22950	.19940
.800	11.385	-.22260	.23880	.20280
.799	14.449	-.27820	.22790	.19330
	GRADIENT	-.00081	.01237	.01266

RUN NO. 197/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.902	-4.826	-.28980	.09020	.09310
.901	.374	-.30050	.18270	.17330
.900	2.924	-.30050	.21720	.20120
.899	5.484	-.32300	.24210	.22190
.900	7.520	-.33180	.26830	.23890
.901	8.526	-.35170	.26890	.23970
.896	10.558	-.35620	.27320	.24590
.898	12.646	-.37340	.27510	.24660
.901	15.735	-.42050	.26530	.24100
	GRADIENT	-.00148	.01659	.01416

OAI45 TABULATED FORCE DATA
AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = 3.000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 194/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.955	-4.735	-.37760	.14530	.14970
.954	.477	-.36850	.22950	.21530
.954	3.079	-.37250	.25900	.23870
.953	5.609	-.33870	.28340	.25690
.954	7.628	-.34910	.30410	.27070
.956	8.699	-.35220	.31170	.27840
.950	10.739	-.36460	.31020	.27750
.950	12.781	-.39430	.30880	.27650
.953	15.825	-.43060	.29900	.27250
	GRADIENT	.00026	.01478	.01156

RUN NO. 431/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
1.100	-5.065	-.33930	.29220	.28960
1.101	-.081	-.33520	.35320	.32760
1.098	2.535	-.33700	.37870	.34420
1.096	5.135	-.35620	.39640	.35890
1.099	7.232	-.35570	.40800	.36510
1.098	8.215	-.36020	.41070	.36850
1.093	10.263	-.37800	.41630	.37010
1.100	12.320	-.38170	.41740	.37110
1.099	15.373	-.40560	.41060	.36510
	GRADIENT	-.00069	.00975	.00635

RUN NO. 229/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
1.199	-5.802	-.30240	.33090	.34740
1.202	-.803	-.29370	.38400	.36370
1.198	1.758	-.30330	.40300	.36500
1.199	4.330	-.31030	.41630	.36930
1.196	6.327	-.31460	.42950	.37070
1.198	7.347	-.31400	.43240	.37370
1.200	9.451	-.32000	.44090	.37970
1.198	11.487	-.31770	.44870	.38260
1.193	14.655	-.31830	.44630	.38050
	GRADIENT	-.00323	.00629	.00109

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OAI45 TABULATED FORCE DATA

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(E2F046) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = 3.000 BDFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 220/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
1.297	-5.057	-.28820	.38380	.38620
1.295	.167	-.29400	.41500	.40000
1.295	2.721	-.30040	.43650	.39700
1.294	5.260	-.31430	.45000	.39480
1.295	7.305	-.32680	.46130	.39370
1.297	8.339	-.32990	.46140	.39660
1.294	10.382	-.33590	.47230	.39760
1.292	12.454	-.34800	.47270	.39900
1.294	15.557	-.33900	.47800	.41130
	GRADIENT	-.00251	.00803	-.00117

RUN NO. 211/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
1.401	-5.109	-.28640	.42160	.42240
1.404	.146	-.30220	.42510	.45230
1.402	2.691	-.30750	.47840	.47260
1.400	5.222	-.31460	.49340	.48090
1.400	7.277	-.31740	.50020	.48360
1.400	8.339	-.31980	.50170	.47810
1.398	10.390	-.31540	.51430	.47400
1.399	12.461	-.31870	.51660	.47270
1.397	15.528	-.31210	.51760	.47270
	GRADIENT	-.00208	.02095	.00798

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(E2F047) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = 5.000 BOFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO.	0/ 0	MACH	ALPHA	CP240	CP12	CP13	GRADIENT INTERVAL	-5.00/	5.00
		.599	-5.804	-.21650	-.03720	-.04230			
		.601	-.849	-.21990	.10560	.08890			
		.599	1.678	-.23270	.13960	.13090			
		.598	4.181	-.25210	.17390	.16100			
		.597	6.206	-.26850	.19600	.17980			
		.598	7.246	-.27490	.19880	.18500			
		.597	9.316	-.27690	.20850	.19100			
		.598	11.399	-.29330	.21630	.19050			
			GRADIENT	-.00640	.01358	.01434			

RUN NO.	0/ 0	MACH	ALPHA	CP240	CP12	CP13	GRADIENT INTERVAL	-5.00/	5.00
		.801	-5.822	-.23420	.00020	-.00460			
		.800	-.827	-.22600	.12740	.10670			
		.800	1.696	-.25180	.15520	.13750			
		.800	4.227	-.25960	.18940	.16540			
		.797	6.266	-.28220	.20840	.18290			
		.800	7.281	-.28220	.21830	.19310			
		.799	9.340	-.29800	.22530	.19910			
		.797	11.392	-.30630	.23700	.20360			
		.799	14.460	-.36220	.22530	.19320			
			GRADIENT	-.00665	.01227	.01161			

RUN NO.	0/ 0	MACH	ALPHA	CP240	CP12	CP13	GRADIENT INTERVAL	-5.00/	5.00
		.901	-4.753	-.23660	.09210	.09300			
		.902	.488	-.29470	.18910	.17550			
		.901	3.012	-.32320	.21860	.20170			
		.898	5.525	-.33130	.24140	.22090			
		.901	7.564	-.32740	.26930	.24170			
		.898	8.599	-.33110	.27350	.24420			
		.901	10.646	-.33180	.27580	.25010			
		.900	12.718	-.35550	.27710	.24880			
		.900	15.793	-.39630	.26620	.24230			
			GRADIENT	-.00285	.01663	.01426			

REFERENCE DATA

SREF = 2690.0000 SQ. FT. XMRP = 1076.6800 IN. XO

LREF = 474.8100 INCHES YMRP = .0000 IN. YO

BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO

SCALE = .0500

BETA = .000 ELEVON = .000

AILRON = 5.000 BDFLAP = .000

SPDBRK = 25.000 RUDDER = .000

RN/L = 5.000

PARAMETRIC DATA

RUN NO.	0/ 0	MACH	ALPHA	CP240	CP12	CP13	GRADIENT INTERVAL	-5.00/	5.00
		1.202	-5.874	-3.0010	.33210	.34870			
		1.202	-.829	-.29380	.38480	.36460			
		1.198	1.730	-.30150	.40390	.36600			
		1.199	4.288	-.30660	.41760	.37140			
		1.193	6.304	-.31550	.42890	.37000			
		1.198	7.325	-.31210	.43440	.37580			
		1.200	9.397	-.31650	.44130	.38270			
		1.200	11.452	-.30780	.44950	.38470			
		1.198	14.608	-.31790	.44760	.38240			
			GRADIENT	-.00250	.00641	.00133			

RUN NO.	0/ 0	MACH	ALPHA	CP240	CP12	CP13	GRADIENT INTERVAL	-5.00/	5.00
		1.296	-5.885	-.28920	.37850	.39020			
		1.297	-.827	-.28600	.41790	.40520			
		1.296	1.701	-.29630	.43360	.39810			
		1.295	4.253	-.30710	.44310	.39500			
		1.298	6.279	-.31930	.46370	.39620			
		1.296	7.304	-.32090	.46270	.39610			
		1.295	9.359	-.32660	.46570	.39850			
		1.296	11.479	-.33380	.47390	.40040			
		1.295	14.576	-.32770	.47730	.41130			
			GRADIENT	-.00415	.00496	-.00201			

RUN NO.	0/ 0	MACH	ALPHA	CP240	CP12	CP13	GRADIENT INTERVAL	-5.00/	5.00
		1.404	-5.157	-.28350	.41170	.42150			
		1.404	-.003	-.30310	.42140	.46210			
		1.400	2.564	-.30950	.47580	.46890			
		1.398	5.138	-.31620	.48880	.46840			
		1.401	7.268	-.31580	.50190	.46430			
		1.401	8.304	-.30910	.50350	.46630			
		1.398	10.351	-.30930	.51470	.46660			
		1.399	12.465	-.30790	.51570	.46490			
			GRADIENT	-.00249	.02118	.00187			

DATE 10 MAR 80
OAI45 TABULATED FORCE DATA

AMES 118-1-11 OAI45A 01(-TO+)

(E2F048) (06 MAR 80)

REFERENCE DATA

SREF = 2590.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 258/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CP240	CP12	CP13
.599	-4.829	-.22010	.17690	.15770
.599	-3.969	-.23630	.17780	.15920
.599	-2.938	-.22930	.17900	.16070
.599	-1.944	-.22730	.17890	.15970
.599	-.999	-.22500	.17800	.16150
.599	-.015	-.22720	.17590	.15790
.598	.970	-.22540	.17530	.16090
.600	1.980	-.22880	.17600	.16170
.599	2.938	-.23320	.17670	.16200
.599	3.944	-.24210	.17660	.16160
.599	4.915	-.25020	.17510	.16430
	GRADIENT	-.00175	-.00027	.00046

RUN NO. 257/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CP240	CP12	CP13
.800	-4.822	-.25060	.18910	.16360
.801	-3.977	-.24970	.19190	.16760
.801	-2.948	-.24560	.19170	.16750
.800	-1.951	-.24680	.18990	.16440
.800	-.993	-.24110	.19170	.16830
.801	-.006	-.24040	.19090	.16640
.801	.972	-.23270	.19380	.17040
.801	1.980	-.23570	.18900	.16920
.801	2.934	-.24240	.18660	.16700
.800	3.952	-.24340	.19120	.16950
.800	4.928	-.26110	.18510	.16550
	GRADIENT	.00057	-.00035	.00025

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01(-TO+)

(E2F048) (06 MAR 80)

REFERENCE DATA

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LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELEVON = .000 BDFLAP = .000
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPDBRK = 25.000 RUDDER = .000
SCALE = .0500 RN/L =

PARAMETRIC DATA

RUN NO. 204/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CP240	CP12	CP13
.903	-4.927	-32000	.24660	.22340
.901	-4.053	-33220	.24480	.22090
.902	-3.017	-33980	.24560	.21960
.903	-2.008	-32660	.24710	.22370
.901	-1.036	-33080	.24350	.22160
.903	-.027	-32190	.24840	.22590
.903	.983	-32600	.24680	.22390
.903	1.994	-32590	.24460	.22400
.902	2.981	-31620	.24360	.22650
.903	3.994	-33330	.24430	.22310
.902	5.009	-33190	.24420	.22490
	GRADIENT	.00045	-.00018	.00039

RUN NO. 195/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CP240	CP12	CP13
.955	-4.945	-34740	.28170	.25590
.955	-4.058	-34840	.28370	.25800
.955	-3.005	-34840	.28320	.25890
.955	-1.999	-34660	.28530	.25930
.955	-1.034	-35290	.28460	.25810
.954	-.035	-34860	.28130	.25780
.954	.968	-34410	.28200	.25700
.952	1.996	-34080	.28000	.25560
.953	2.975	-34520	.28000	.25630
.954	3.994	-33520	.28250	.25970
.952	5.007	-34170	.27900	.25690
	GRADIENT	.00111	-.00029	-.00002

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01(-TO+)

(E2F048) (05 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 439/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CP240	CP12	CP13
1.101	-4.858	-.34200	.39890	.35610
1.101	-4.041	-.34160	.39890	.35810
1.101	-3.002	-.34500	.39950	.35690
1.101	-1.992	-.34940	.39940	.35580
1.101	-1.007	-.35190	.40030	.35630
1.101	-.001	-.35180	.39670	.35580
1.101	.997	-.35190	.39800	.35690
1.101	1.994	-.35750	.39720	.35570
1.101	2.970	-.35420	.39710	.36100
1.101	3.957	-.35680	.39490	.35820
1.101	4.937	-.35520	.39490	.36010
	GRADIENT	-.00157	-.00046	.00030

RUN NO. 237/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CP240	CP12	CP13
1.200	-4.820	-.30720	.41970	.36920
1.201	-3.972	-.30260	.42060	.37020
1.202	-2.938	-.30270	.42170	.37150
1.201	-1.954	-.30470	.41990	.37030
1.200	-.993	-.30640	.42040	.37030
1.201	-.003	-.30820	.41980	.37010
1.201	.967	-.30970	.42020	.37000
1.200	1.980	-.30730	.41850	.37050
1.201	2.944	-.30480	.41960	.37210
1.201	3.946	-.30640	.41940	.37100
1.201	4.921	-.30600	.41960	.37050
	GRADIENT	-.00022	-.00014	.00011

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01(-TO+)

(E2F048) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 BETA = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELEVON = .000 BDFLAP = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPOBRK = 25.000 RUDDER = .000
 SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 227/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CP240	CP12	CP13
1.298	-4.830	-31120	.44620	.39600
1.298	-3.979	-30620	.44640	.39550
1.297	-2.948	-30730	.44680	.39500
1.297	-1.961	-30820	.44540	.39470
1.297	-.993	-30980	.44580	.39420
1.297	.004	-31050	.44430	.39370
1.296	.957	-30680	.44610	.39660
1.296	1.977	-31210	.44520	.39450
1.296	2.938	-31380	.44300	.39410
1.296	3.951	-31330	.44370	.39430
1.296	4.921	-31150	.44330	.39450
	GRADIENT	-.00051	-.00034	-.00012

RUN NO. 218/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CP240	CP12	CP13
1.404	-4.835	-31670	.48840	.46160
1.404	-3.968	-31060	.49160	.46150
1.403	-2.948	-30800	.49380	.46200
1.403	-1.963	-30870	.49260	.46180
1.403	-.996	-30990	.49100	.46110
1.404	-.008	-30940	.49210	.46240
1.403	.972	-30840	.49110	.46250
1.403	1.982	-30940	.49270	.46240
1.403	2.935	-31040	.49230	.46300
1.404	3.959	-31300	.49390	.46360
1.404	4.909	-31840	.49120	.46130
	GRADIENT	-.00024	.00017	.00012

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01(+TO-)

(E2F049) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = .000 BDFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 259/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CP240	CP12	CP13
.599	-4.820	-.23790	.17420	.15800
.598	-3.967	-.23970	.17560	.15700
.599	-2.941	-.23490	.17540	.15800
.599	-1.947	-.23220	.17480	.15860
.599	-.996	-.22630	.17390	.16010
.600	-.004	-.22500	.17540	.15950
.598	.965	-.22660	.17480	.16100
.599	1.985	-.22550	.17670	.16150
.599	2.933	-.23460	.17380	.16120
.599	3.949	-.24350	.17170	.15880
.599	4.915	-.25090	.17650	.16270
	GRADIENT	-.00062	-.00004	.00044

RUN NO. 205/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CP240	CP12	CP13
.902	-4.930	-.32020	.24610	.22310
.902	-4.050	-.33110	.24540	.22190
.903	-3.007	-.33790	.24440	.22140
.902	-1.998	-.33160	.24350	.22230
.902	-1.039	-.32860	.24660	.22300
.902	-.006	-.32010	.24610	.22600
.903	.973	-.31570	.24820	.22830
.904	1.993	-.31630	.24700	.22780
.902	2.973	-.32580	.24320	.22310
.901	3.996	-.33580	.23980	.22140
.901	5.006	-.33740	.24080	.21950
	GRADIENT	.00081	-.00028	.00028

(E2F049) (06 MAR 80)

OAI45 TABULATED FORCE DATA
AMES 118-1-11 OAI45A 01(+TO-)

DATE 10 MAR 80

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 BETA = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELEVON = .000 BDFLAP = .000
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPOBRK = 25.000 RUDDER = .000
SCALE = .0500 RN/L = 5.000

RUN NO. 238/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CP240	CP12	CP13
1.202	-4.820	-30250	.42160	.37140
1.202	-3.969	-30200	.42160	.37150
1.201	-2.931	-30400	.42000	.37050
1.202	-1.954	-30220	.42170	.37150
1.201	-1.004	-30400	.41970	.37060
1.200	.000	-30780	.41920	.37030
1.202	.960	-30620	.42100	.37190
1.201	1.992	-30740	.42000	.37080
1.200	2.946	-30960	.41770	.36950
1.204	3.952	-30430	.41920	.37280
1.200	4.923	-30770	.41880	.37070
	GRADIENT	-30060	-30030	-30001

.AMES 118-1-11 OAI45A 01

(E2F050) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 BETA = 10.000
LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELEVON = 3.000 BDFLAP = .000
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPOBRK = 25.000 RUDDER = .000
SCALE = .0500 RN/L = 5.000

RUN NO. 265/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AILRON	CP240	CP12	CP13
.598	-5.765	-28780	-.03550	-.04180
.598	.875	-30670	.10020	.08820
.597	1.656	-31960	.13990	.12870
.598	4.230	-32970	.17890	.16210
.597	6.252	-33900	.19660	.17970
.599	7.297	-34470	.20120	.18980
.598	9.347	-36830	.22360	.19590
.598	11.401	-39540	.22000	.19160
.597	14.446	-40210	.20180	.16780
	GRADIENT	-300450	.01542	.01447

REFERENCE DATA

[illegible]

PARAMETRIC DATA

BETA	-	.000	ELEVON	-
AIRLON	-	3.000	BOFLAP	-
SPOBRK	-	25.000	RUDDER	-
RN/L	-	5.000		

RUN NO.	251/ 0	RN/L	5.02	GRADIENT	INTERVAL	-5.00/	5.00
	MACH	ALPHA	CP240	CP12	CP13		
	.800	-5.564	-.23130	.00460	.00090		
	.800	-.796	-.24400	.12380	.10190		
	.800	1.724	-.22730	.15800	.14010		
	.800	4.225	-.23110	.19150	.16780		
	.797	6.299	-.28190	.21440	.18670		
	.798	7.502	-.32070	.22060	.19210		
	.800	9.357	-.32250	.22920	.20220		
	.798	11.417	-.29150	.24200	.20590		
	.799	14.482	-.30470	.23300	.19730		
	.798	GRADIENT	.00257	.23300	.19730		
				.01348	.01313		

RUN NO.	198/ 0	RN/L	4.97	GRADIENT	INTERVAL	-5.00/ 5.00
MACH		ALPHA		CP240	CP12	CP13
.902		-4.645		-28010	.09520	.09800
.901		.495		-31070	.18510	.17500
.902		3.017		-34690	.22140	.20280
.899		5.585		-34510	.24210	.22270
.899		7.615		-32840	.26590	.23830
.900		8.641		-33280	.27260	.24520
.899		10.681		-34420	.27390	.24780
.900		12.749		-36330	.27870	.24850
.900		15.834		-40100	.26670	.24000
		GRADIENT		-.00831	.01662	.01387

RUN NO.	230/ 0	MACH	ALPHA	CP240	GRADIENT	INTERVAL =	-5.00/ 5.00
		1.198	-5.825	- .30980	CP12		CP13
		1.202	- .830	- .29220		.33070	.34750
		1.197	1.739	- .28890		.38450	.36240
		1.194	4.320	- .28640		.40200	.36420
		1.200	6.341	- .28980		.41320	.36640
		1.197	7.387	- .28380		.43560	.37480
		1.196	9.469	- .28230		.43200	.37430
		1.193	11.551	- .28350		.43840	.37770
		1.198	14.675	- .30390		.44400	.37850
			GRADIENT	- .00113		.44820	.38090
						.00557	.00078

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(E2F050) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = 10.000
AILRON = 3.000 BDELAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 221/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
1.297	-5.836	-.30670	.38010	.38980
1.296	-.758	-.30770	.41620	.40340
1.295	1.723	-.28020	.43310	.39680
1.297	4.286	-.27410	.44430	.39500
1.297	6.295	-.26790	.46470	.39620
1.297	7.340	-.26370	.46310	.39550
1.295	9.377	-.25800	.46610	.39800
1.295	11.493	-.25420	.47410	.40050
1.294	14.563	-.26680	.47670	.40900
	GRADIENT	.00664	.00556	-.00166

RUN NO. 212/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
1.402	-5.003	-.30420	.42300	.42350
1.403	.143	-.28930	.42460	.45130
1.401	2.624	-.27850	.47580	.46700
1.400	5.224	-.26600	.49300	.48140
1.399	7.156	-.24420	.50120	.48410
1.399	8.215	-.23780	.50150	.47680
1.397	10.365	-.21980	.51600	.47210
1.398	12.471	-.23580	.51530	.47630
	GRADIENT	.00435	.02064	.00633

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

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AMES 118-1-11 0A145A 01

(E2F051) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = 10.000
 AILRON = 5.000 BDFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 266/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.599	-5.759	-.28210	-.03360	-.04380
.598	-.808	-.30550	.10350	.08660
.598	1.731	-.31540	.14050	.12910
.598	4.260	-.32640	.17870	.16370
.598	6.249	-.35500	.20020	.17850
.598	7.292	-.36710	.20190	.18560
.598	9.344	-.40580	.21560	.18940
.596	11.376	-.42690	.21570	.19030
.598	14.381	-.41670	.20150	.17210
	GRADIENT	-.00412	.01484	.01521

RUN NO. 252/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.799	-5.804	-.23470	-.00260	-.00540
.801	-.811	-.24340	.12320	.10250
.799	1.730	-.25980	.15350	.13860
.797	4.254	-.26870	.18810	.17040
.799	6.290	-.32860	.21040	.18370
.798	7.313	-.34490	.21800	.19530
.797	9.349	-.33980	.22820	.20090
.800	11.407	-.32920	.23760	.20320
.800	14.475	-.32250	.22980	.19430
	GRADIENT	-.00500	.01281	.01341

RUN NO. 199/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.901	-4.717	-.27860	.09370	.09610
.899	.480	-.31750	.18470	.17330
.901	3.010	-.34650	.21680	.20120
.901	5.575	-.33850	.24840	.22860
.901	7.609	-.32580	.26890	.23940
.900	8.631	-.32980	.27410	.24660
.900	10.668	-.33120	.27920	.25240
.898	12.725	-.35220	.27730	.25020
.898	15.811	-.39690	.26490	.24110
	GRADIENT	-.00859	.01617	.01379

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(E2F051) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = 10.000
 AILRON = 5.000 BDFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 231/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
1.200	-5.826	-29310	.33110	.34860
1.205	-826	-27120	.38490	.36490
1.199	1.740	-28430	.40320	.36540
1.194	4.319	-27720	.41290	.36630
1.196	6.345	-28230	.43160	.37170
1.195	7.388	-27390	.43080	.37450
1.199	9.448	-29810	.44180	.38370
1.197	11.531	-27290	.44590	.38260
1.186	14.663	-28920	.43850	.37490
	GRADIENT	-.00116	.00544	.00027

RUN NO. 222/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
1.297	-5.831	-29850	.37910	.38890
1.299	-826	-26910	.41720	.40590
1.296	1.690	-27310	.43320	.39790
1.296	4.246	-26800	.44260	.39430
1.294	6.285	-25240	.46330	.39590
1.295	7.335	-24610	.46120	.39650
1.295	9.400	-24200	.46580	.39770
1.294	11.529	-24620	.47340	.40040
1.294	14.578	-28610	.47440	.40920
	GRADIENT	.00022	.00500	-.00228

RUN NO. 213/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
1.403	-5.021	-.30000	.42340	.42440
1.409	.071	-.26900	.42210	.46200
1.401	2.659	-.26120	.47370	.46440
1.401	5.133	-.25090	.49330	.47140
1.399	7.228	-.23400	.50020	.46430
1.398	8.183	-.22190	.50150	.46510
1.397	10.226	-.20530	.51450	.46900
1.398	12.377	-.21010	.51310	.46450
	GRADIENT	.00301	.01994	.00093

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(E2F052) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

BETA = .000
AILRON = .000
SPDBRK = .000
RN/L = .000
ELEVON = -10.000
BDFLAP = .000
RUDDER = .000

RUN NO. 263/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.599	-5.845	-.25230	-.03570	-.04320
.600	-.825	-.21850	.10810	.09340
.601	1.714	-.22230	.14320	.13150
.599	4.185	-.23640	.17460	.15930
.598	6.244	-.25210	.19860	.18180
.597	7.276	-.26460	.20370	.18570
.597	9.311	-.28210	.21060	.18500
.597	11.386	-.30250	.21660	.18680
.596	14.452	-.33320	.19790	.17100
	GRADIENT	-.00356	.01328	.01316

RUN NO. 249/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.801	-4.401	-.18980	.03550	.03060
.801	-.858	-.18280	.12850	.10400
.801	1.652	-.20510	.15370	.13790
.801	4.158	-.19030	.18900	.16710
.800	6.242	-.19620	.21370	.18830
.801	7.274	-.22570	.22150	.19270
.797	9.291	-.24280	.22310	.19740
.798	11.374	-.24060	.23870	.19970
.800	14.472	-.31590	.23500	.19260
	GRADIENT	-.00080	.01757	.01594

RUN NO. 196/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.901	-4.897	-.24640	.09310	.09280
.901	.348	-.23830	.18780	.17550
.900	2.925	-.27890	.21980	.20270
.899	5.453	-.32320	.24390	.22210
.900	7.497	-.33560	.26620	.23600
.899	8.518	-.34750	.26890	.24150
.899	10.575	-.36180	.27630	.24360
.899	12.653	-.40200	.27810	.24310
.899	15.714	-.45790	.26780	.23930
	GRADIENT	-.00332	.01647	.01430

(E2F052) (06 MAR 80)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1075.6800	IN. X0	BEIA	=	.0000	ELEVON	=	-10.0000
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. Y0	AILRON	=	3.0000	BDFLAP	=	.0000
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. Z0	SPDBRK	=	25.0000	RUDDER	=	.0000
SCALE	=	.0500						RN/L	=	5.0000			

PARAMETRIC DATA

BETA
AIRON
SPDBRK
RN/L

PRINT NO	228/ 0	RN/I	= 5.00	GRADIENT INTERVAL	= -5.00/	5.00
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MACH	ALPHA	CP240	CP12	CP13
1.201	-5.852	-28610	33240	34880
1.202	-8.819	-27650	38560	36550
1.202	1.746	-29160	40550	36710
1.198	4.283	-30630	41660	37040
1.197	6.292	-30530	43150	37290
1.198	7.325	-31140	43370	37410
1.195	9.415	-32450	43590	37850
1.194	11.495	-33840	44570	38150
1.190	14.688	-34630	44280	37500
	GRADIENT	-0.0584	0.0608	0.0096

RAIN NO.	219/ 0	RN/L =	4.99	GRADIENT INTERVAL =	-5.00/	5.00
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MACH	ALPHA	CP240	CP12	CP13
1.297	-5.145	-	.38440	.38680
1.296	.127	-29750	.41660	.40020
1.295	2.634	-30020	.43650	.39760
1.294	5.620	-31250	.44770	.39430
1.293	7.253	-32680	.46350	.39550
1.295	8.281	-33230	.46020	.39570
1.296	10.367	-34080	.47360	.39740
1.295	12.437	-34460	.47460	.40070
1.296	15.586	-35430	.47710	.40970
1.294	CPADIENT	-00092	.00794	-.00104

BRIN NO.	210/ 0	RN/L =	5.09	GRADIENT INTERVAL =	-5.00/	5.00
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MACH	ALPHA	CP240	CP12	CP13
1.404	-5.113	-.27160	.42220	.42350
1.404	.044	-.29420	.42100	.45400
1.403	2.591	-.29960	.47420	.46940
1.400	5.117	-.30870	.48970	.47740
1.399	7.126	-.32160	.50070	.48810
1.400	8.162	-.32040	.50170	.48620
1.401	10.299	-.32560	.51540	.48300
1.399	12.358	-.33010	.51670	.48050
1.400	15.483	-.33460	.51910	.47400
	GRADIENT	-.00212	.02089	.00605

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DATE 10 MAR 80

(E2F053) (06 MAR 80)

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

BETA = .000
AILRON = .000
SPDRK = .000
RN/L = .000
ELEVON = -10.000
BDFLAP = .000
RUDDER = .000

RUN NO. 268/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.596	-5.885	-.24130	-.04200	-.04960
.601	-.994	-.20950	.09720	.08440
.601	1.692	-.21280	.14130	.12820
.600	4.163	-.22780	.17420	.16100
.599	6.224	-.24550	.19490	.18050
.599	7.253	-.25200	.20150	.18920
.598	9.292	-.26490	.21110	.19190
.597	11.359	-.28280	.21430	.19350
.597	14.446	-.32430	.19750	.17100
	GRADIENT	-.00352	.01496	.01488

RUN NO. 254/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.798	-5.855	-.26620	-.00140	-.00650
.802	-.853	-.23330	.12650	.10700
.801	1.659	-.24710	.15570	.14010
.802	4.171	-.26250	.19180	.16780
.800	6.229	-.28320	.20870	.18510
.800	7.261	-.29560	.21900	.19350
.798	9.290	-.31520	.22280	.19610
.799	11.355	-.32240	.23680	.20240
.799	14.459	-.39400	.22950	.19280
.801	GRADIENT	-.00581	.01300	.01210

RUN NO. 201/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.899	-4.804	-.25270	.09110	.09150
.902	.367	-.24660	.18910	.17620
.902	2.926	-.28850	.21980	.20380
.899	5.475	-.33020	.24300	.22080
.897	7.531	-.35050	.26160	.23120
.901	8.584	-.35260	.27170	.24360
.901	10.607	-.36410	.27610	.24600
.899	12.685	-.38720	.28040	.25010
.900	15.759	-.46160	.26330	.23590
	GRADIENT	-.00379	.01698	.01480

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = -10.000
 AILRON = 5.000 BOFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO.	233/ 0	MACH	ALPHA	CP240	CP12	CP13	GRADIENT INTERVAL	-5.00/	5.00
		1.202	-4.500	-.27950	.34920	.39510			
		1.202	-.794	-.28180	.38500	.36450			
		1.201	1.776	-.29910	.40570	.36790			
		1.199	4.307	-.31160	.41780	.37020			
		1.196	6.324	-.32210	.43000	.37230			
		1.199	7.362	-.31480	.43710	.37710			
		1.196	9.434	-.33810	.43950	.38030			
		1.202	11.524	-.32170	.45300	.38820			
		1.199	14.560	-.32950	.44970	.38340			
			GRADIENT	-.00378	.00791	.00172			

RUN NO.	224/ 0	MACH	ALPHA	CP240	CP12	CP13	GRADIENT INTERVAL	-5.00/	5.00
		1.299	-5.915	-.28180	.38090	.39170			
		1.300	-.829	-.29010	.42030	.40760			
		1.299	1.730	-.29850	.43470	.39890			
		1.296	4.217	-.30440	.44460	.39630			
		1.295	6.249	-.31890	.46450	.39780			
		1.299	7.285	-.32840	.46500	.39840			
		1.299	9.374	-.32680	.46790	.40060			
		1.310	11.436	-.33080	.48150	.41040			
		1.306	14.566	-.34600	.48540	.41940			
			GRADIENT	-.00284	.00482	-.00225			

RUN NO.	215/ 0	MACH	ALPHA	CP240	CP12	CP13	GRADIENT INTERVAL	-5.00/	5.00
		1.399	-5.120	-.27800	.40830	.42500			
		1.409	.012	-.28850	.41780	.45850			
		1.405	2.583	-.29170	.47460	.46310			
		1.400	5.140	-.30530	.48840	.46250			
		1.401	7.231	-.31210	.49730	.46390			
		1.402	8.268	-.31300	.50010	.46420			
		1.398	10.337	-.31900	.51270	.46610			
		1.393	12.420	-.32750	.51240	.46490			
			GRADIENT	-.00124	.02205	.00179			

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.8800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
AILRON = 5.000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO.		0/ 0	RN/L = 4.98	GRADIENT INTERVAL = -5.00/ 5.00	
		MACH	ELEVON	CP240	CP12
		.599	-29.973	-.23600	.17670
		.600	-20.000	-.25680	.17650
		.600	-14.938	-.24390	.17510
		.599	-9.896	-.23180	.17250
		.599	-5.972	-.22030	.17490
		.599	-3.962	-.22230	.17480
		.599	-1.983	-.23210	.17520
		.599	.038	-.25470	.17590
		.599	2.044	-.27140	.17610
		.599	4.004	-.28260	.17440
		.598	6.117	-.30800	.17420
		.599	9.916	-.32930	.18020
		.600	14.888	-.42590	.18250
			GRADIENT	-.00802	.00001

RUN NO.		0/ 0	RN/L = 5.03	GRADIENT INTERVAL = -5.00/ 5.00	
		MACH	ELEVON	CP240	CP12
		.800	-29.978	-.21510	.19250
		.802	-19.998	-.23620	.19350
		.801	-14.935	-.25670	.18930
		.801	-9.898	-.26280	.19020
		.801	-5.974	-.24280	.19010
		.800	-3.972	-.23870	.18770
		.800	-1.998	-.24250	.19120
		.800	.038	-.26200	.19010
		.800	2.049	-.27790	.19360
		.800	4.004	-.30570	.18810
		.801	6.125	-.29440	.19810
		.801	9.922	-.32610	.19460
		.801	14.886	-.48480	.19510
			GRADIENT	-.00847	.00016

CP13

CP13

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA =
ATLRON =
SPOBRK =
RN/L =
5.000 BETA =
5.000 BDFLAP =
25.000 RUDDER =
5.000

RUN NO. 0/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP240	CP12	CP13
.901	-30.725	-.22970	.24620	.22600
.902	-20.474	-.28660	.24740	.22620
.902	-15.355	-.31500	.24630	.22620
.901	-10.177	-.33020	.24530	.22450
.902	-6.220	-.33280	.24420	.22400
.899	-4.160	-.32860	.24120	.22270
.901	-2.135	-.32230	.24560	.22540
.900	-.102	-.33640	.24100	.22080
.900	1.941	-.35050	.24180	.22220
.900	3.951	-.32390	.24480	.22610
.900	6.085	-.33480	.24140	.22340
.899	9.966	-.34750	.24270	.22180
.900	15.012	-.38300	.24460	.22550
	GRADIENT	-.00093	.00017	.00018

RUN NO. 0/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP240	CP12	CP13
.952	-30.725	-.22460	.27680	.25550
.951	-20.456	-.27440	.27750	.25660
.953	-15.364	-.31520	.27850	.25610
.951	-10.176	-.33520	.27780	.25630
.951	-6.214	-.34440	.27650	.25390
.951	-4.167	-.34260	.27660	.25550
.950	-2.156	-.34880	.27570	.25310
.951	-.108	-.33840	.27650	.25570
.951	1.934	-.32270	.27910	.25670
.951	3.930	-.31830	.27950	.25610
.951	6.091	-.31960	.27900	.25830
.950	9.969	-.34370	.27740	.25520
.950	15.020	-.39970	.27650	.25660
	GRADIENT	.00369	.00045	.00024

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(EF054) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 AILRON = 5.000 BOFLAP = .000
 SPDBRK = 25.000
 RUDDER = 5.000
 RN/L = 5.000

RUN NO.	0/ 0	RN/L = 5.02	GRADIENT INTERVAL = -5.00/ 5.00
	MACH	ELEVON	CP240
	1.202	-29.965	CP13
	1.202	-19.985	CP12
	1.202	-14.932	CP11
	1.201	-9.883	CP10
	1.199	-5.969	CP09
	1.199	-3.967	CP08
	1.200	-1.990	CP07
	1.199	.042	CP06
	1.200	2.057	CP05
	1.201	4.004	CP04
	1.199	6.117	CP03
	1.198	9.921	CP02
	1.202	14.878	CP01
		GRADIENT	.00028

RUN NO.	0/ 0	RN/L = 4.99	GRADIENT INTERVAL = -5.00/ 5.00
	MACH	ELEVON	CP240
	1.297	-29.986	CP13
	1.299	-19.997	CP12
	1.300	-14.937	CP11
	1.297	-9.881	CP10
	1.294	-5.972	CP09
	1.295	-3.975	CP08
	1.295	-1.995	CP07
	1.296	.040	CP06
	1.297	2.053	CP05
	1.296	4.001	CP04
	1.297	6.125	CP03
	1.297	9.934	CP02
	1.296	14.726	CP01
	1.297	GRADIENT	.00067

OAI45 TABULATED FORCE DATA

AMES 118-1-11 OAI45A 01

(E2F054) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. X0

LREF = 474.8100 INCHES YMRP = .0000 IN. Y0

BREF = 936.6800 INCHES ZMRP = 375.0000 IN. Z0

SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000

AILRON = 5.000 BDFLAP = .000

SPDBRK = 25.000 RUDDER = .000

RN/L = 5.000

RUN NO. 0/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP240	CP12	CP13
1.403	-29.992	-25860	.48790	.46180
1.404	-19.982	-29350	.48980	.46100
1.405	-14.927	-30890	.48780	.46030
1.402	-9.893	-30310	.49040	.46120
1.401	-5.969	-30710	.49010	.46090
1.401	-3.967	-30870	.48900	.45890
1.403	-1.990	-31290	.48890	.46150
1.403	.045	-31610	.49140	.46150
1.403	2.051	-31500	.49030	.46130
1.402	4.002	-30600	.48940	.45960
1.402	5.881	-29250	.48910	.46010
1.401	9.949	-25730	.49160	.46220
1.401	14.761	-26560	.49210	.46090
	GRADIENT	.00016	.00011	.00006

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

AMES 118-1-11 0A145A 01

(E2F055) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 5.000
AILRON = 5.000
SPDRK = 25.000
RN/L = 5.000

BETA = 2.000
BDFLAP = .000
RUDDER = .000

RUN NO. 217/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP240	CP12	CP13
1.401	-29.983	-.26880	.46530	.47660
1.403	-19.987	-.29910	.46820	.47960
1.403	-14.938	-.31480	.46890	.47770
1.404	-9.888	-.30230	.46710	.47840
1.403	-5.974	-.30310	.47060	.47870
1.403	-3.965	-.30590	.46890	.47740
1.404	-1.985	-.30640	.46960	.47970
1.403	.033	-.31250	.46780	.47850
1.403	2.039	-.30660	.46890	.47970
1.404	3.996	-.29700	.46940	.47990
1.403	6.119	-.27360	.47090	.48070
1.401	9.928	-.25130	.46770	.47800
1.401	14.754	-.26000	.46850	.48030
	GRADIENT	.00088	.00001	.00025

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

PAGE 1767

AMES 118-1-11 OAI45A 01

(E2F056) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = -5.000 BETA = .000
AILRON = 5.000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 234/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP240	CP12	CP13
1.198	-29.975	-.16990	.33130	.34760
1.208	-19.987	-.19340	.33960	.35410
1.209	-14.932	-.23160	.33870	.35370
1.206	-9.891	-.26700	.33970	.35420
1.205	-5.972	-.28610	.33840	.35340
1.202	-3.970	-.28820	.33640	.35270
1.204	-1.985	-.28990	.33770	.35280
1.202	.052	-.29300	.33540	.35080
1.203	2.049	-.29780	.33740	.35300
1.202	4.006	-.29090	.33640	.35060
1.202	6.124	-.28270	.33730	.35220
1.201	9.914	-.31480	.33570	.35100
1.201	14.858	-.28480	.33550	.35100
	GRADIENT	-.00067	-.00002	-.00020

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(EZF057) (15 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1075.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BOFLAP = -11.700
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 297/ 0 RN/L = 4.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.599	-5.042	-23020	-23280	-23280	-23140	-24300	-24300	-24110	-24580	-04220	-04020
.600	-0.075	-22810	-22580	-22670	-22290	-23030	-23030	-22840	-23100	-07990	-06900
.598	2.467	-22920	-22760	-23090	-23020	-23670	-23670	-23980	-24940	-12050	-09750
.597	4.965	-22780	-22590	-22640	-22330	-24290	-24290	-24930	-27000	-15170	-13300
.597	5.983	-22770	-22650	-23030	-22930	-24990	-24990	-25550	-27630	-16010	-13790
.597	7.021	-22470	-22210	-22210	-22470	-25250	-25250	-26580	-28770	-17040	-14850
.598	8.054	-21860	-21880	-22220	-21810	-25220	-25220	-27320	-29510	-17610	-15720
.597	9.053	-22050	-22200	-22080	-22410	-26780	-26780	-27250	-30410	-17640	-15330
.598	10.035	-21750	-21970	-21970	-21870	-26380	-26380	-28880	-31470	-18670	-15880
.597	11.136	-22110	-22440	-22130	-22510	-26030	-26030	-28820	-32430	-18720	-15860
.597	12.178	-22060	-21760	-21730	-21970	-27470	-27470	-29330	-33460	-18560	-14960
.598	13.183	-22350	-22870	-22510	-22390	-28930	-28930	-28930	-33960	-17900	-14680
.597	15.225	-23290	-22840	-23740	-23550	-31590	-31590	-32960	-33730	-16040	-11800
GRADIENT		.00006	-0.00002	.00005	-0.00009	-0.00250	-0.00250	-0.00415	-0.00774	-0.01425	-0.01269

RUN NO. 291/ 0 RN/L = 4.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.799	-5.060	-24090	-23960	-24110	-23810	-26240	-26240	-25970	-26760	-01950	-02090
.800	-0.091	-23490	-23670	-23950	-23630	-24930	-24930	-25280	-25630	-12550	-11350
.799	2.433	-23680	-23360	-23570	-23770	-25760	-25760	-26350	-27000	-16550	-13820
.798	4.967	-23610	-23850	-23850	-24000	-26600	-26600	-26880	-28570	-19210	-16530
.798	5.995	-22590	-22720	-22670	-23190	-27020	-27020	-27370	-29360	-20400	-17480
.799	7.044	-22800	-23210	-22670	-23240	-27710	-27710	-29220	-30840	-21870	-18330
.798	8.056	-23000	-23220	-22330	-22770	-29250	-29250	-30850	-31270	-21500	-18820
.800	9.100	-22390	-23100	-23450	-23360	-29520	-29520	-30840	-31920	-22710	-19520
.797	10.098	-23320	-22910	-23390	-23910	-30740	-30740	-32310	-32270	-22970	-19440
.798	11.150	-23820	-24250	-23080	-23760	-31920	-31920	-32360	-33300	-23290	-19590
.796	12.156	-24700	-24660	-25020	-24090	-33690	-33690	-34490	-36080	-23360	-19430
.797	13.199	-25280	-25220	-24390	-25280	-36920	-36920	-36520	-37000	-22500	-18520
.798	15.246	-26030	-26880	-26750	-27520	-38820	-38820	-38930	-39500	-22020	-17250
GRADIENT		-0.00024	-0.00036	.00020	-0.00073	-0.00330	-0.00330	-0.00316	-0.00581	-0.01316	-0.01024

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OAIWS TABULATED FORCE DATA

PAGE 1766

AMES 118-1-11 OAIWSA 01

(E2F057) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BOFLAP = -.11.700
 SPBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 288/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.901	-5.079	-26030	-26150	-25950	-25620	-30160	-30160	-30050	-30050	.08480	.08750
.901	-1.102	-24220	-24920	-24860	-24630	-29890	-29890	-29750	-30680	.17650	.16080
.899	2.461	-25000	-24560	-24770	-24720	-31300	-31300	-32500	-33170	.21270	.18310
.896	5.000	-25100	-24910	-24910	-24470	-33190	-33190	-34700	-36050	.24070	.21200
.899	6.016	-24510	-24450	-24490	-24250	-33400	-33400	-34690	-34780	.25030	.21830
.899	7.047	-25100	-24420	-24750	-24610	-34280	-34280	-33910	-34420	.26080	.22350
.898	8.076	-24840	-25180	-24730	-24790	-35080	-35080	-34620	-35800	.26330	.22850
.899	9.148	-25360	-25070	-24690	-25150	-34040	-34040	-35320	-35640	.27120	.23820
.899	10.118	-24800	-25110	-25120	-24900	-34110	-34110	-35370	-35690	.27920	.24040
.897	11.189	-26250	-26710	-25740	-26160	-35560	-35560	-36600	-37560	.27750	.23880
.899	12.200	-26170	-25280	-26370	-26270	-36770	-36770	-37380	-38250	.28420	.24020
.897	13.239	-27310	-26340	-27210	-27800	-38840	-38840	-39460	-39970	.27820	.23400
.903	15.258	-28190	-28590	-28780	-28270	-40810	-40810	-40990	-42570	.27910	.23060
	GRADIENT	-00304	.00140	.00035	-00035	-00550	-00550	-01073	-00972	.01413	.00870

RUN NO. 282/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.952	-5.075	-29760	-29390	-29690	-29680	-40380	-40380	-40910	-41920	.13350	.13770
.952	-1.068	-28280	-28180	-28030	-28080	-36580	-36580	-37660	-38560	.22110	.20470
.950	2.467	-28100	-28370	-28210	-28550	-36920	-36920	-38430	-39230	.25670	.22560
.946	5.034	-26750	-26890	-26850	-27240	-34140	-34140	-35010	-36010	.27890	.24920
.949	6.022	-26010	-26330	-26840	-26920	-34020	-34020	-34790	-35550	.29100	.25960
.948	7.066	-26160	-26210	-27140	-26750	-35690	-35690	-36630	-36980	.29990	.25950
.947	8.086	-26770	-27510	-27070	-26720	-36100	-36100	-36850	-37580	.30140	.26660
.954	9.110	-26280	-25930	-26150	-25760	-37070	-37070	-37710	-37540	.31020	.27210
.944	10.250	-27440	-27400	-26780	-27620	-37190	-37190	-38520	-38520	.31110	.26960
.945	11.198	-28210	-28820	-28350	-28920	-38210	-38210	-38770	-38800	.31370	.27070
.946	12.192	-28400	-29080	-28980	-29460	-39300	-39300	-39220	-39860	.31640	.27020
.947	13.209	-30060	-29330	-29430	-29800	-38910	-38910	-40420	-41380	.31690	.27250
.951	15.291	-29980	-30530	-31070	-30910	-41080	-41080	-42200	-42030	.31780	.26610
	GRADIENT	.00071	-00075	-00071	-00185	-00134	-00134	-00304	-00264	.01404	.00825

0A145 TABULATED FORCE DATA

DATE 10 MAR 80

AMES 118-1-11 0A145A 01

(E2F057) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

BETA =
AILRON =
SPOBRK =
RN/L =

ELEVON = .000
BDFLAP = -11.700
RUDDER = .000

PARAMETRIC DATA

RUN NO. 315/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.099	-5.095	-34090	-33840	-34150	-33870	-34080	-34080	-34620	-35400	.27920	.28990
1.109	.016	-32190	-31820	-31720	-32010	-32340	-32340	-32220	-33280	.34340	.33140
1.102	2.492	-31990	-31740	-32210	-31840	-32910	-32910	-33210	-34320	.36520	.33980
1.098	3.017	-32410	-32360	-32360	-32830	-33340	-33340	-33470	-34390	.36830	.34620
1.094	5.104	-33540	-33440	-33540	-33560	-35310	-35310	-35640	-36680	.38020	.35480
1.097	6.188	-32870	-33010	-33020	-33210	-34250	-34250	-34030	-35940	.39020	.35940
1.100	7.104	-33050	-32790	-32730	-33240	-33810	-33810	-33810	-34380	.40140	.36410
1.099	8.134	-32970	-33350	-33340	-33340	-33950	-33950	-34250	-34880	.40240	.37060
1.098	9.1-8	-33350	-33820	-33790	-33850	-34880	-34880	-35760	-35950	.40280	.36950
1.096	10.202	-34350	-33790	-34350	-34510	-35190	-35190	-36240	-37050	.41230	.37890
1.097	11.182	-34690	-35040	-34940	-35100	-36860	-36860	-37480	-37790	.40810	.36590
1.097	12.240	-35510	-35610	-35640	-35850	-36870	-36870	-37360	-38750	.41670	.37190
1.097	13.301	-36610	-36580	-36380	-36420	-38080	-38080	-38800	-39170	.41460	.36710
1.091	15.365	-38720	-38810	-38990	-39050	-40080	-40080	-40740	-41520	.40860	.36620
GRADIENT		-00025	-00113	-00208	-00166	-00301	-00301	-00411	-00386	.00846	.00445

RUN NO. 314/ 0 RN/L = 5.12 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.200	-5.143	-31050	-31100	-31100	-31060	-29870	-29870	-29930	-30660	.32230	.34090
1.200	-0.059	-30040	-30050	-30190	-30160	-29470	-29470	-29790	-30380	.37000	.35210
1.198	2.851	-30330	-30260	-30160	-30070	-30470	-30470	-31060	-31530	.38880	.35980
1.196	5.053	-31070	-30980	-31110	-31080	-31560	-31560	-31870	-32310	.39750	.35770
1.197	6.078	-30660	-30940	-31430	-31180	-31260	-31260	-31570	-31960	.40780	.36020
1.198	7.079	-30970	-31110	-31520	-31300	-31020	-31020	-31130	-31190	.41480	.36220
1.198	8.146	-31030	-31200	-31100	-31440	-31630	-31630	-31730	-32250	.41460	.36320
1.198	9.235	-31190	-31540	-31540	-31750	-31310	-31310	-31650	-31760	.41950	.36710
1.197	10.336	-31730	-31890	-31840	-31650	-31660	-31660	-32150	-32560	.43000	.36850
1.195	11.245	-31970	-32090	-31820	-32120	-32450	-32450	-32770	-33130	.42880	.36620
1.195	12.262	-31900	-31960	-32110	-32250	-32230	-32230	-32610	-32830	.43100	.36860
1.197	13.283	-32760	-32360	-32510	-32500	-32740	-32740	-32990	-33330	.43250	.36710
1.191	15.391	-34300	-34410	-34350	-34230	-34210	-34210	-34570	-35400	.42680	.36240
GRADIENT		-00100	-00072	-00010	-00031	-00344	-00344	-00436	-00395	.00646	.00265

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OAIW5 TABULATED FORCE DATA

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AHES 118-1-11 OAI45A 01

(E2F057) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BOFLAP = -11.700
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 306/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.296	-5.118	-30690	-30640	-30720	-30540	-30920	-30920	-31050	-31730	.36060	.37940
1.300	-.074	-29970	-29810	-29960	-29960	-30110	-30110	-30540	-30900	.38950	.38900
1.296	2.498	-30120	-30040	-30260	-30230	-30550	-30550	-30740	-31240	.41200	.38320
1.294	5.076	-30440	-30460	-30500	-30490	-31170	-31170	-31880	-32300	.42580	.38300
1.295	6.134	-30320	-30790	-30630	-30320	-31210	-31210	-31740	-32260	.43870	.38450
1.294	7.113	-31240	-31450	-31370	-31330	-31760	-31760	-32320	-32910	.43990	.38540
1.295	8.165	-31810	-31660	-31530	-31490	-32070	-32070	-32430	-33030	.43860	.38410
1.294	9.179	-31870	-31980	-32110	-32360	-32530	-32530	-32900	-33500	.44020	.38280
1.294	10.237	-32410	-32640	-32600	-32600	-32980	-32980	-33290	-33890	.45360	.38540
1.294	11.256	-33130	-33250	-33260	-33310	-33330	-33330	-33820	-34290	.45600	.38710
1.294	12.303	-33680	-33850	-33650	-33910	-33460	-33460	-33850	-34190	.45600	.38820
1.292	13.351	-34460	-34420	-34390	-34700	-33940	-33940	-34240	-34600	.45610	.39230
1.290	15.414	-34370	-34440	-34470	-34610	-33750	-33750	-34150	-34510	.45900	.39350
	GRADIENT	-.00058	-.00089	-.00117	-.00105	-.00171	-.00171	-.00078	-.00132	.00875	-.00226

RUN NO. 301/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.401	-5.082	-29720	-29990	-29820	-29990	-29760	-29760	-30080	-30540	.39840	.42030
1.403	-.042	-30390	-30490	-30410	-30370	-30470	-30470	-30530	-30680	.44070	.44040
1.400	2.597	-31550	-31400	-31450	-31670	-31480	-31480	-31670	-31970	.46100	.45450
1.400	5.039	-31460	-31430	-31340	-31590	-31430	-31430	-31630	-31860	.47660	.44330
1.402	6.052	-31910	-31500	-31400	-31640	-31530	-31530	-31660	-31950	.49290	.44910
1.402	7.074	-31920	-31910	-31950	-32020	-31490	-31490	-31850	-32180	.49740	.46270
1.401	8.104	-32070	-32100	-32040	-32000	-31490	-31490	-31760	-32180	.49040	.45910
1.401	9.123	-32000	-32180	-32050	-32210	-31440	-31440	-31440	-31840	.49150	.45680
1.400	10.165	-32240	-32440	-32390	-32410	-31350	-31350	-31620	-31900	.50040	.45890
1.399	11.191	-32570	-32650	-32670	-32760	-31410	-31410	-31610	-31950	.49900	.45860
1.399	12.230	-32890	-32810	-32990	-32930	-31350	-31350	-31560	-31910	.50120	.46220
1.398	13.268	-33140	-33220	-33250	-33300	-31220	-31220	-31530	-31910	.50370	.46380
1.393	15.334	-33190	-33160	-33300	-33230	-30670	-30670	-30860	-31270	.50400	.45820
	GRADIENT	-.00440	-.00345	-.00394	-.00493	-.00383	-.00383	-.00432	-.00489	.00769	.00534

0A145 TABULATED FORCE DATA

DATE 10 MAR 80

(E2F058) (16 JUL 77)

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BOFLAP = 16.300
 SPDRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 298/ 0 RN/L = 4.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.598	-5.019	-21770	-21890	-21530	-21810	-22670	-22670	-23020	-23040	-04310	-03720
.598	-0.051	-21510	-21340	-21820	-21460	-22190	-22190	-21740	-22520	07700	06930
.597	2.496	-22220	-22460	-22320	-22010	-23030	-23030	-23520	-24400	12020	09740
.596	5.000	-22850	-22110	-22270	-22130	-23860	-23860	-24830	-26660	15180	13260
.598	6.008	-22000	-21570	-21810	-22000	-24320	-24320	-25120	-27410	16050	14150
.597	7.047	-21830	-21760	-21860	-21780	-25080	-25080	-25880	-28790	16870	14890
.598	8.082	-21280	-21870	-21630	-21750	-25170	-25170	-26680	-29060	17830	15670
.597	9.085	-22580	-21940	-21960	-21770	-25750	-25750	-27920	-30760	17890	15350
.597	10.121	-22420	-22660	-22540	-22320	-26210	-26210	-28600	-31290	18680	15450
.598	11.160	-22520	-22400	-22420	-22000	-26800	-26800	-29150	-32430	18990	15590
.597	12.208	-22690	-22760	-23210	-23420	-27390	-27390	-30230	-33730	18720	15430
.597	13.160	-23070	-24170	-23430	-23120	-29700	-29700	-31780	-34930	18170	14650
.596	15.194	-24600	-24690	-24600	-24810	-31860	-31860	-34300	-35320	16840	12330
	GRADIENT	-00279	-00440	-00196	-00216	-00330	-00330	-00699	-00738	01696	01103

RUN NO. 292/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.799	-5.064	-24400	-23760	-23890	-23840	-25580	-25580	-25400	-26080	01600	01850
.800	-0.044	-23460	-23030	-23270	-23200	-24380	-24380	-24550	-24750	12650	11280
.797	2.462	-23980	-23560	-23420	-23390	-25190	-25190	-26080	-26630	16340	13600
.797	4.978	-23280	-22920	-23560	-23180	-25330	-25330	-26640	-27970	19460	17070
.798	6.012	-23650	-23410	-23800	-23410	-26970	-26970	-27880	-29480	20230	17330
.799	7.029	-22730	-23250	-22700	-22960	-26920	-26920	-28670	-30310	21700	18710
.799	8.082	-23100	-23320	-23120	-23230	-27690	-27690	-28670	-31110	22290	19530
.799	9.116	-23060	-22930	-23210	-23210	-29350	-29350	-29940	-30970	22650	19370
.799	10.118	-22860	-24100	-24250	-24230	-30620	-30620	-31690	-32280	23220	19540
.800	11.150	-24310	-23550	-23690	-25290	-32670	-32670	-32250	-33130	23740	19300
.799	12.186	-24240	-24060	-23580	-24170	-33980	-33980	-34410	-34340	24060	19570
.799	13.204	-25990	-26120	-26180	-27040	-36110	-36110	-37480	-38470	22910	18990
.796	15.250	-28800	-28800	-28690	-28990	-39010	-39010	-39440	-40630	21990	17220
.797	GRADIENT	00036	00022	-00058	00004	-00189	-00189	-00416	-00641	01356	01153

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA
AMES 118-1-11 OAI45A 01

PAGE 1773
(E2F058) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6300 IN. XO
LREF = 474.8100 INCHES YMRP = 0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BOFLAP = 16.300
SPDRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 289/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.901	-5.072	-25670	-25250	-25390	-25710	-28010	-28010	-28610	-28510	.08290	.08530
.901	-.099	-24570	-24890	-24380	-24410	-27080	-27080	-27920	-28840	.17630	.16130
.899	2.472	-24480	-25040	-24160	-24800	-28790	-28790	-29770	-30110	.21610	.18490
.897	5.009	-24600	-25250	-24790	-24430	-32200	-32200	-32890	-33530	.23760	.20940
.899	6.039	-24940	-24990	-25720	-24720	-31890	-31890	-32850	-33200	.24990	.21900
.899	7.084	-25430	-25670	-25720	-25120	-32450	-32450	-32610	-33930	.26180	.22610
.900	8.095	-25620	-24690	-25160	-25260	-33070	-33070	-33700	-34030	.27010	.23700
.896	9.111	-25440	-27440	-27010	-26380	-35000	-35000	-34750	-34630	.26990	.23080
.898	10.162	-26630	-25510	-26390	-26360	-34800	-34800	-35000	-36100	.27630	.23640
.900	11.171	-26000	-25550	-26370	-25640	-34180	-34180	-35310	-36090	.28650	.24650
.898	12.173	-26090	-26750	-26720	-27160	-36720	-36720	-37390	-37510	.28410	.24060
.898	13.216	-29130	-28210	-28450	-28240	-38750	-38750	-39090	-40170	.28200	.23770
.899	15.293	-31750	-31840	-31140	-30750	-42720	-42720	-43290	-44490	.27810	.22580
	GRADIENT	.00035	-.00058	.00086	-.00152	-.00665	-.00665	-.00719	-.00494	.01548	.00918

RUN NO. 284/ 0 RN/L = 4.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.947	-5.067	-30210	-29770	-29630	-29870	-40880	-40880	-41420	-42860	.12850	.13030
.950	-.049	-30000	-29520	-29200	-29450	-37710	-37710	-38350	-39280	.21530	.19860
.954	2.490	-29850	-29560	-29850	-29760	-37150	-37150	-38160	-38940	.25260	.22190
.953	5.028	-27960	-28310	-27370	-27520	-34490	-34490	-34590	-35680	.27610	.24780
.949	6.048	-27540	-27600	-27090	-27590	-36220	-36220	-37470	-38240	.28530	.25400
.950	7.068	-26770	-26520	-26470	-26790	-34530	-34530	-35350	-35250	.29720	.25850
.948	8.068	-26990	-27000	-27080	-27330	-34550	-34550	-35370	-36260	.29810	.26510
.947	9.129	-27430	-27430	-27550	-27760	-35380	-35380	-35770	-36760	.30200	.26650
.947	10.186	-26790	-27290	-26660	-27510	-37540	-37540	-37970	-37870	.30700	.26380
.947	11.167	-28400	-28620	-28780	-28830	-37970	-37970	-38970	-38350	.30830	.26560
.949	12.201	-28690	-29240	-29250	-29550	-37640	-37640	-38680	-39260	.31680	.27300
.949	13.233	-29540	-29590	-29110	-30560	-39660	-39660	-39970	-40990	.31380	.26620
.951	15.300	-32380	-32190	-32340	-32340	-41100	-41100	-41920	-42760	.31230	.26380
	GRADIENT	.00059	-.00016	-.00256	-.00122	.00221	.00221	.00075	.00134	.01469	.00918

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BOFLAP = 16.300
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

GRADIENT INTERVAL = -5.00/ 5.00

RUN NO. 316/ 0 RN/L = 5.04

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.103	-5.098	-32620	-32590	-32570	-33020	-33180	-33180	-33370	-34100	.28350	.29420
1.107	-.091	-32210	-31970	-31830	-31990	-32250	-32250	-32600	-33230	.34270	.33190
1.096	2.766	-33890	-33930	-34080	-34330	-34060	-34060	-34910	-35350	.37060	.34590
1.095	5.030	-36130	-36100	-36220	-36350	-36650	-36650	-37570	-38020	.38440	.35670
1.099	6.091	-35920	-35850	-36190	-36390	-36020	-36020	-36520	-37000	.39420	.36270
1.098	7.179	-37100	-36820	-37030	-37260	-36590	-36590	-36460	-36720	.39860	.36600
1.097	8.147	-37670	-37520	-37560	-37640	-37100	-37100	-37670	-37790	.39860	.37050
1.097	9.172	-38100	-38390	-38060	-38250	-37810	-37810	-38070	-38730	.40520	.37570
1.093	10.203	-38980	-38830	-38790	-38490	-39020	-39020	-39390	-39840	.40520	.36800
1.098	11.262	-38580	-38070	-37950	-37930	-39110	-39110	-39280	-39900	.41360	.36970
1.098	12.315	-39360	-39410	-39160	-38890	-39560	-39560	-40110	-40520	.41270	.36550
1.096	13.381	-39450	-39550	-39150	-39700	-40160	-40160	-40490	-40900	.41680	.36070
1.092	15.350	-42220	-42180	-42620	-42500	-42720	-42720	-43120	-44220	.40570	.00490
	GRADIENT	-00588	-00686	-00788	-00819	-00634	-00634	-00809	-00742	.00977	

GRADIENT INTERVAL = -5.00/ 5.00

RUN NO. 313/ 0 RN/L = 5.16

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.201	-5.068	-31830	-31930	-31970	-31900	-30140	-30140	-30580	-30960	.32300	.34150
1.203	-.038	-31050	-31170	-31130	-31150	-29980	-29980	-30260	-30840	.37240	.35450
1.200	2.513	-32360	-32260	-32230	-32260	-32000	-32000	-32500	-33060	.38750	.35750
1.198	5.052	-34170	-34210	-34030	-34310	-34070	-34070	-34560	-35090	.39850	.35810
1.197	6.059	-34660	-34660	-34370	-34760	-34140	-34140	-34250	-34620	.40750	.36020
1.197	7.102	-35070	-34920	-34910	-34760	-34180	-34180	-34520	-34980	.41480	.36050
1.198	8.130	-35410	-35450	-35570	-35450	-34250	-34250	-34550	-34690	.41480	.36380
1.195	9.159	-35610	-35370	-35760	-35750	-34280	-34280	-34650	-35250	.41600	.36460
1.197	10.250	-34390	-34290	-34420	-34230	-33820	-33820	-34260	-34930	.42990	.36940
1.199	11.322	-34020	-33820	-33810	-33820	-33530	-33530	-33640	-34030	.43360	.37200
1.194	12.440	-34710	-34640	-34520	-33820	-34730	-34730	-34660	-34840	.42790	.36360
1.197	13.320	-33960	-34120	-33700	-34090	-33540	-33540	-33370	-34300	.43250	.36850
1.197	15.345	-35950	-35950	-35960	-36010	-34990	-34990	-35490	-35650	.42820	.36280
1.192	GRADIENT	-00513	-00427	-00431	-00435	-00792	-00792	-00878	-00870	.00592	.00118

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA
AMES 118-1-11 OAI45A 01PAGE 1775
(E2F058) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = 16.300
 SPOBRK = .000
 RN/L = 5.000 RUDDER = .000

PARAMETRIC DATA

RUN NO. 307/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.299	-5.093	-29560	-29610	-29440	-29730	-29850	-29850	-30270	-30960	-36190	-38120
1.299	-.042	-29130	-29340	-29290	-29410	-29710	-29710	-29960	-30560	-36880	-38830
1.295	2.532	-30160	-30160	-29900	-29920	-30530	-30530	-31040	-31440	-41190	-38480
1.293	5.066	-32250	-32450	-32660	-32460	-32610	-32610	-33120	-33790	-42310	-38100
1.294	6.082	-32890	-32800	-32640	-32930	-33010	-33010	-33520	-34120	-43930	-38370
1.294	7.142	-33840	-33980	-33980	-33800	-34270	-34270	-34560	-35110	-43890	-38430
1.294	8.128	-34560	-34560	-34560	-34800	-34850	-34850	-35130	-35660	-43790	-38180
1.294	9.137	-34750	-34960	-34950	-34950	-34900	-34900	-35380	-35610	-43990	-38290
1.294	10.240	-35230	-35340	-35150	-35110	-35130	-35130	-35440	-35830	-45220	-38410
1.293	11.234	-35610	-35730	-35780	-35920	-35410	-35410	-35500	-35970	-45580	-38670
1.293	12.279	-36210	-36060	-35860	-36020	-35110	-35110	-35340	-35600	-45610	-38710
1.292	13.354	-36760	-36810	-36610	-36840	-36230	-36230	-35460	-35850	-45630	-39320
1.288	15.409	-37470	-37510	-37560	-37510	-36670	-36670	-35980	-36300	-45770	-39300
	GRADIENT	-00400	-00319	-00237	-00198	-00319	-00319	-00420	-00342	-00897	-00136

RUN NO. 302/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.402	-5.071	-29800	-29820	-29790	-29780	-29800	-29800	-30100	-30440	-39850	-41860
1.403	-.039	-31310	-31380	-31310	-31250	-31100	-31100	-31230	-31540	-44160	-44240
1.400	2.490	-32030	-31920	-31930	-31920	-31790	-31790	-32000	-32190	-46250	-45590
1.398	5.030	-32370	-32350	-32370	-32250	-32070	-32070	-32300	-32890	-47770	-44360
1.400	6.066	-32480	-32690	-32650	-32480	-32190	-32190	-32340	-32730	-49580	-45220
1.400	7.067	-33450	-33400	-33480	-33410	-32620	-32620	-32770	-33220	-49660	-44900
1.399	8.113	-33760	-33880	-33780	-33660	-32820	-32820	-33020	-33330	-49000	-44990
1.398	9.153	-34100	-33940	-33940	-33940	-32740	-32740	-32830	-33150	-49260	-44870
1.399	10.176	-34000	-34080	-34020	-34230	-32610	-32610	-32770	-33070	-50280	-45280
1.397	11.212	-34450	-34400	-34400	-34230	-32740	-32740	-32840	-33190	-50330	-45760
1.396	12.266	-34670	-34780	-34700	-34660	-32770	-32770	-32860	-33080	-50190	-45960
1.392	13.306	-34910	-34920	-34920	-34660	-32660	-32660	-32790	-33070	-50390	-46100
1.387	15.338	-35520	-35680	-35690	-35430	-32440	-32440	-32480	-32660	-50380	-45480
	GRADIENT	-00285	-00214	-00245	-00255	-00273	-00273	-00304	-00257	-00826	-00534

AMES 118-1-11 0A145A 01

(E2F059) (16 JUL 77)

REFERENCE DATA

=	2690.0000	SO.FT.	XMRP	=	1076.6800	IN. XO
=	474.8100	INCHES	YMRP	=	.0000	IN. YO
=	936.6800	INCHES	ZMRP	=	375.0000	IN. ZO
=	.0500					

PARAMETRIC DATA

BETA	=	.000	ELEVON	=	.000
AILRON	=	.000	BDFLAP	=	22.500
SPOBRK	=	25.000	RUDDER	=	.000
RN/L	=	5.000			

RUN NO.	299/ 0	RN/L = 4.93	GRADIENT INTERVAL = -5.00/ 5.00
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MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
598	-5.030	-23720	-24140	-24020	-23810	-23920	-23920	-24320	-24770	-04510	-03510
598	0.067	-23650	-23670	-23460	-23600	-23250	-23260	-23460	-23620	-07610	-06910
597	2.488	-23940	-23920	-24110	-24230	-24230	-24230	-24960	-25790	12290	10070
595	4.999	-24540	-24500	-25020	-25050	-25020	-25020	-26350	-28460	15150	13720
597	5.937	-24560	-24480	-24580	-24150	-25790	-25790	-26930	-29430	16120	14280
597	7.038	-25110	-24960	-24560	-24350	-26240	-26240	-27960	-29830	17540	15170
598	8.067	-23520	-23520	-24160	-23950	-26620	-26620	-27610	-30660	17590	15580
598	9.073	-23810	-23620	-23950	-23910	-26790	-26790	-28230	-31530	18380	15720
597	10.111	-24190	-24170	-24830	-24380	-26980	-26980	-29030	-32480	18430	15590
597	11.121	-24700	-24390	-24220	-24180	-28010	-28010	-30350	-34320	18430	15320
597	12.152	-24950	-24400	-24690	-24970	-29090	-29090	-31140	-35070	18230	15000
597	13.162	-25190	-24950	-25040	-25380	-30980	-30980	-33080	-34670	17950	14430
597	15.210	-26160	-25950	-25950	-26180	-33110	-33110	-34080	-35100	16390	11840
GRADIENT	-00176	-00309	-00164	-00287	-00287	-00342	-00342	-00572	-00957	01492	01346

RUN NO.	293/ 0	RN/L = 4.94	GRADIENT INTERVAL = -5.00/ 5.00
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MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.799	-5.060	-25830	-26070	-25730	-25830	-26360	-26360	-26800	-27220	.01650	.02160
.801	-0.085	-25260	-25920	-25370	-25290	-26240	-26240	-26540	-26610	.12450	.11100
.799	2.448	-25880	-26610	-26140	-26610	-26540	-26540	-27660	-27660	.16650	.13830
.796	4.974	-25796	-26320	-26320	-26320	-27740	-27740	-28540	-29110	.19080	.16430
.798	6.014	-25880	-25970	-25580	-26230	-27480	-27480	-29170	-30180	.20260	.17830
.800	7.023	-25450	-25300	-25970	-26010	-28410	-28410	-29660	-31000	.21910	.18490
.799	8.078	-26280	-25820	-25880	-25730	-29460	-29460	-30980	-31430	.22300	.19350
.800	9.113	-25430	-26250	-25590	-25340	-30790	-30790	-30330	-32220	.22300	.19520
.797	10.111	-26180	-26050	-26480	-26580	-31340	-31340	-32670	-33350	.23060	.19660
.799	11.158	-26530	-25750	-26400	-26160	-31820	-31820	-32480	-33600	.23790	.20350
.797	12.158	-27430	-28120	-27820	-27760	-35070	-35070	-35770	-35200	.22970	.19330
.798	13.200	-28030	-27620	-27300	-27700	-35830	-35830	-36110	-35200	.23610	.19530
.800	15.245	-29180	-29030	-29960	-30090	-38150	-38150	-40320	-40220	.23010	.18110
GRADIENT	-0.0099	-0.0067	-0.0057	-0.0188	-0.0286	-0.0298	-0.0298	-0.0522	-0.0496	.01314	.01058

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OAI45 TABULATED FORCE DATA

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(E2F059) (16 JUL 77)

AHES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BOFLAP = 22.500
 SPDRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 290/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.901	-5.069	-28060	-27940	-28040	-27380	-28790	-28790	-28700	-29020	.08610	.08740
.900	-.082	-28040	-28230	-28410	-27510	-28950	-28950	-29850	-29640	.17610	.15980
.898	2.489	-28280	-28530	-28750	-27850	-30570	-30570	-30200	-31350	.21320	.18200
.901	5.002	-27880	-28450	-28370	-28490	-33580	-33580	-34490	-34350	.23890	.21020
.897	6.008	-28100	-28630	-29060	-28650	-33780	-33780	-34000	-33810	.24690	.21380
.900	7.057	-28470	-28340	-28290	-28530	-34130	-34130	-34040	-34250	.26300	.22410
.898	8.069	-28510	-28740	-28860	-29430	-34520	-34520	-35220	-35140	.26480	.23400
.898	9.138	-29460	-29200	-29540	-28740	-35510	-35510	-36100	-37070	.26820	.24230
.897	10.130	-28900	-28540	-28280	-29100	-34640	-34640	-35200	-36430	.28210	.24230
.896	11.160	-29910	-30130	-28940	-28220	-37390	-37390	-38160	-37630	.27600	.23410
.899	12.185	-28930	-29460	-28960	-28550	-37600	-37600	-38560	-38830	.28390	.24210
.897	13.204	-29660	-29870	-29800	-29800	-40020	-40020	-39940	-41040	.28100	.23450
.901	15.284	-32380	-32920	-32580	-32630	-42800	-42800	-43430	-43780	.27870	.22810
GRADIENT		-.0093	-.0017	.00218	-.00132	-.00630	-.00630	-.00136	-.00665	.01443	.00863

RUN NO. 285/ 0 RN/L = 4.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.951	-5.062	-30300	-30880	-30700	-30850	-40710	-40710	-40790	-41540	.13210	.13540
.953	-.046	-31620	-31690	-31820	-31280	-37510	-37510	-38490	-39470	.22010	.20360
.950	2.487	-32330	-32790	-32570	-32190	-37830	-37830	-38550	-39230	.24950	.21880
.953	5.047	-31610	-32100	-30900	-31580	-36910	-36910	-37430	-38000	.27670	.24680
.952	6.020	-31320	-30840	-31020	-30480	-37790	-37790	-37640	-39130	.28510	.24990
.948	7.062	-31240	-31210	-32170	-31740	-38480	-38480	-38410	-36990	.29370	.25460
.954	8.076	-31790	-31890	-32170	-31990	-36280	-36280	-36340	-37430	.29720	.26440
.954	10.179	-31260	-30810	-29650	-30760	-36180	-36180	-37920	-38240	.31120	.26940
.950	11.198	-31050	-31480	-31180	-32350	-38590	-38590	-39320	-39800	.31200	.27060
.950	12.210	-30360	-31190	-31070	-30360	-39490	-39490	-39150	-39970	.31660	.26970
.952	13.225	-31620	-31920	-31410	-31880	-39930	-39930	-40810	-41450	.31800	.27030
.951	15.298	-34260	-34720	-34220	-34270	-43100	-43100	-43750	-43950	.31110	.26230
GRADIENT		-.00280	-.00434	-.00296	-.00359	-.00126	-.00126	-.00024	.00095	.01161	.00600

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(E2F059) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BDELAP = 22.500
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 317/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.103	-5.140	-34880	-34780	-34970	-34780	-34740	-34740	-35090	-35650	28360	29550
1.107	-0.50	-34910	-34730	-34810	-34510	-34180	-34180	-34330	-34940	34090	33200
1.095	2.518	-36410	-36500	-36590	-36520	-35950	-35950	-36450	-36990	36320	34270
1.094	5.049	-38460	-38800	-38700	-38840	-38070	-38070	-38950	-39260	38270	36040
1.098	6.069	-38570	-38100	-38530	-38450	-37750	-37750	-38170	-37840	38970	35960
1.098	7.146	-38940	-39260	-39100	-39110	-37400	-37400	-37270	-37370	40170	36210
1.097	8.122	-40100	-39790	-40180	-40440	-38480	-38480	-38510	-38530	39950	36930
1.097	9.137	-40560	-40600	-40770	-40720	-39060	-39060	-38960	-39510	40300	37440
1.095	10.242	-40780	-40530	-40750	-40600	-40610	-40610	-41050	-40800	41230	36860
1.096	11.215	-41010	-41150	-41350	-41300	-41360	-41360	-41440	-41830	41010	36630
1.097	12.258	-41830	-41790	-41740	-41760	-41600	-41600	-42380	-42570	41920	37220
1.098	13.284	-42080	-42320	-42170	-42760	-42240	-42240	-42590	-42880	41730	36690
1.092	15.358	-45100	-44320	-44660	-44810	-44420	-44420	-44980	-45450	41420	36500
	GRADIENT	-0.005134	-0.00689	-0.00693	-0.00783	-0.00689	-0.00689	-0.00826	-0.00798	0.00869	0.00417

RUN NO. 311/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.202	-5.109	-32930	-33040	-33020	-33040	-30800	-30800	-31090	-31540	32440	34450
1.207	-0.18	-31880	-31920	-31910	-32030	-30470	-30470	-30820	-31340	37670	35700
1.199	2.494	-34120	-34100	-34070	-34120	-33300	-33300	-33720	-34360	38900	35780
1.195	5.038	-36010	-36140	-36110	-35990	-35520	-35520	-35860	-36330	39800	35730
1.197	6.068	-36240	-36280	-36340	-36400	-35860	-35860	-36220	-36450	40710	36020
1.201	7.131	-36330	-36390	-36040	-36000	-35510	-35510	-35880	-36290	41900	36450
1.199	8.155	-36890	-37050	-37230	-36980	-35920	-35920	-36310	-36350	41760	36730
1.197	9.187	-37040	-36780	-37010	-37130	-35680	-35680	-36350	-36980	41970	36840
1.198	10.198	-36780	-37000	-37150	-36670	-36190	-36190	-36140	-35930	42880	36710
1.200	11.226	-35980	-35490	-35870	-35560	-34880	-34880	-35140	-35440	43510	37230
1.197	12.301	-36470	-36050	-36450	-36470	-35650	-35650	-35430	-36040	43310	36810
1.196	13.302	-36770	-36410	-36630	-36810	-34920	-34920	-35800	-36200	43320	36830
1.194	15.433	-38000	-37930	-37830	-38000	-36290	-36290	-36550	-36780	43020	36460
	GRADIENT	-0.00892	-0.00868	-0.00860	-0.00832	-0.01127	-0.01127	-0.01155	-0.01202	0.00490	0.00032

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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(E2F059) (16 JUL 77)

ANES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BOFLAP = 22.500
 SPDRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 308/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.298	-5.083	-30580	-30600	-30660	-30680	-30980	-30980	-31250	-31710	.36190	.38100
1.305	-.037	-30640	-30580	-30390	-30670	-30540	-30540	-30840	-31090	.39310	.39410
1.297	2.522	-31810	-31940	-31830	-31520	-31740	-31740	-31950	-32700	.41420	.39340
1.293	5.089	-34340	-34400	-34440	-34360	-34120	-34120	-34600	-35010	.42540	.38230
1.294	6.101	-35150	-35240	-35200	-35060	-35020	-35020	-35470	-36020	.43690	.38180
1.294	7.159	-35750	-35780	-35860	-35850	-35570	-35570	-35900	-36250	.43860	.38460
1.295	8.166	-35840	-35870	-35880	-36000	-35570	-35570	-35810	-36390	.43900	.38260
1.294	9.156	-35830	-35620	-35820	-36160	-35670	-35670	-35970	-36490	.44250	.38350
1.294	10.218	-36050	-36240	-36360	-36240	-35990	-35990	-36050	-36430	.45030	.38370
1.293	11.275	-36780	-36670	-36870	-37010	-36120	-36120	-36550	-36970	.45510	.38370
1.293	12.316	-37300	-37140	-37220	-37350	-35510	-35510	-35850	-36150	.45820	.38940
1.293	13.324	-37650	-37690	-37710	-37820	-35780	-35780	-36050	-36380	.45670	.39280
1.291	15.371	-38410	-38600	-38490	-38640	-36240	-36240	-36590	-36990	.45830	.39330
	GRADIENT	-00437	-00532	-00563	-00332	-00469	-00469	-00434	-00629	.00825	-.00027

RUN NO. 303/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.404	-5.086	-30290	-30410	-30460	-30450	-30300	-30300	-30490	-30930	.39830	.42470
1.409	-.045	-31500	-31520	-31600	-31540	-31200	-31200	-31280	-31420	.44390	.44260
1.403	2.526	-32500	-32520	-32500	-32440	-32290	-32290	-32370	-32550	.46200	.45810
1.400	5.035	-33580	-33490	-33460	-33510	-32940	-32940	-33220	-33490	.47950	.44490
1.400	6.034	-34300	-34320	-34140	-34320	-33510	-33510	-33690	-33920	.49550	.44910
1.400	7.076	-34380	-34560	-34640	-34650	-33500	-33500	-33730	-33900	.50100	.46560
1.400	8.114	-34610	-34700	-34570	-34620	-33490	-33490	-33620	-33840	.49200	.45220
1.399	9.154	-34370	-34530	-34490	-34490	-33070	-33070	-33210	-33470	.49550	.44960
1.398	10.154	-34690	-34820	-34740	-34890	-33150	-33150	-33230	-33580	.50360	.45230
1.397	11.202	-34750	-34960	-34970	-35000	-33010	-33010	-33220	-33590	.50110	.45710
1.393	12.303	-35420	-35340	-35430	-35500	-33110	-33110	-33300	-33660	.50260	.45730
1.392	13.296	-35190	-35400	-35390	-35360	-32930	-32930	-33090	-33360	.50440	.45980
1.386	15.336	-36040	-36160	-36310	-36310	-32710	-32710	-33010	-33640	.50640	.45570
	GRADIENT	-00389	-00389	-00350	-00350	-00424	-00424	-00424	-00440	.00704	.00603

OAI45 TABULATED FORCE DATA

(E2F060) (16 JUL 77)

AMES 118-1-11 OAI45A 01

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
SPOBRK = 25.000 RUDDER = .000
RN/L = 5.000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.5800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

RUN NO. 296/ 0 RN/L = 4.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BOFLAP	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.598	-11.642	-22660	-22730	-22680	-22510	-24800	-24800	-25270	-26970	.15010	.13030
.599	-7.950	-21990	-21350	-21660	-21470	-23720	-23720	-24350	-26320	.15110	.13410
.599	-5.940	-21130	-21340	-21130	-21230	-23430	-23430	-24540	-26330	.15120	.13520
.599	-3.931	-20840	-20550	-20980	-20720	-23180	-23180	-23650	-25740	.15110	.13430
.599	-1.950	-20390	-20460	-20340	-20650	-22950	-22950	-23890	-26070	.15110	.13490
.599	.020	-20560	-20160	-20590	-20470	-22970	-22970	-24240	-25460	.15190	.13360
.599	1.990	-20570	-20310	-20450	-20710	-23070	-23070	-23750	-25680	.15290	.13320
.599	4.020	-20570	-20210	-20620	-20690	-23060	-23060	-23600	-25570	.15390	.13540
.599	5.980	-20210	-20490	-20440	-20250	-22790	-22790	-23660	-25310	.15390	.13200
.599	7.970	-20470	-20660	-20850	-20690	-23270	-23270	-23910	-25270	.15230	.13530
.598	12.030	-20830	-20780	-21060	-20660	-23020	-23020	-23920	-25940	.15250	.13290
.598	16.311	-22070	-21770	-21880	-22500	-24030	-24030	-24740	-26410	.15320	.13370
.598	22.505	-24810	-24450	-24140	-24360	-25870	-25870	-26530	-28110	.15090	.13290
GRADIENT		.00018	.00042	.00031	.00000	.00006	.00006	.00012	.00037	.00017	-.00020

RUN NO. 294/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BOFLAP	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.800	-11.662	-22750	-22770	-22550	-22770	-25860	-25860	-26750	-28700	.19340	.17080
.800	-7.950	-21960	-21480	-22000	-22150	-25540	-25540	-26310	-27960	.19550	.16850
.800	-5.930	-21720	-21800	-21310	-21650	-24790	-24790	-26590	-27570	.19630	.17180
.800	-3.940	-21160	-21240	-20810	-21290	-24970	-24970	-25630	-27700	.19520	.17030
.799	-1.970	-21230	-21410	-21380	-21730	-25280	-25280	-26050	-27690	.19380	.16670
.800	.010	-20990	-20860	-20940	-20880	-24630	-24630	-25670	-27260	.19370	.17040
.799	1.990	-20460	-21280	-20720	-20760	-24690	-24690	-25870	-27520	.19520	.16910
.800	4.000	-20550	-20360	-20860	-20400	-24410	-24410	-25030	-26590	.19440	.17080
.800	6.010	-20800	-21120	-20710	-20950	-24270	-24270	-25600	-27360	.19570	.17120
.800	7.960	-21380	-21190	-20860	-21170	-24540	-24540	-25810	-27130	.19510	.16920
.799	12.019	-21770	-21790	-21880	-21990	-24690	-24690	-25940	-28000	.19250	.16980
.800	16.301	-23270	-22720	-22740	-23290	-25490	-25490	-26200	-28210	.19550	.16990
.799	22.525	-26280	-26020	-25910	-25660	-27510	-27510	-27970	-29600	.19520	.16810
GRADIENT		.00100	.00096	.00028	.00139	.00086	.00086	.00070	.00121	-.00001	.00017

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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ANES 118-1-11 OAI45A 01

(E2F060) (15 JUL 77)

REFERENCE DATA

SREF = 2590.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = 0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

MACH	BDFLAP	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.900	-11.662	-24460	-24270	-24600	-23850	-33710	-33710	-34910	-35120	-24220	-21360
.901	-7.940	-23480	-23410	-23070	-23170	-33260	-33260	-34790	-35130	-24080	-21210
.900	-5.940	-23440	-22700	-23440	-23290	-33540	-33540	-34080	-35360	-23980	-21080
.901	-3.940	-23550	-22800	-22210	-22340	-32850	-32850	-33640	-34060	-24150	-21290
.900	-1.960	-22590	-22400	-21760	-21860	-32970	-32970	-32400	-34270	-24210	-21100
.901	.020	-21860	-21950	-21880	-21880	-32070	-32070	-33550	-34320	-24320	-21350
.900	1.990	-22510	-21850	-21920	-22580	-32650	-32650	-33140	-34680	-24090	-21060
.900	4.000	-22580	-22780	-21710	-22210	-32140	-32140	-32610	-33990	-24180	-21300
.901	6.000	-22900	-22820	-22580	-22700	-32200	-32200	-33280	-33920	-24100	-21160
.900	7.970	-22730	-22620	-22250	-22390	-32060	-32060	-33960	-34420	-24000	-21060
.900	12.030	-23260	-23250	-23820	-23810	-31330	-31330	-32960	-33920	-24070	-21380
.899	16.311	-24310	-24820	-24670	-24890	-32020	-32020	-33400	-34510	-23750	-21120
.901	22.505	-27620	-27310	-27670	-27480	-33090	-33090	-33150	-34480	-24130	-21210
	GRADIENT	.00102	.00029	.00042	.00023	.00088	.00088	.00067	.00013	-.00003	-.00001

MACH	BDFLAP	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.951	-11.662	-26190	-26160	-26240	-26410	-34510	-34510	-35260	-36500	-27860	-24750
.952	-7.940	-25860	-25800	-25000	-25720	-34840	-34840	-34970	-35890	-27700	-24510
.953	-5.940	-25270	-24770	-24690	-24210	-34770	-34770	-35570	-36100	-27780	-24550
.950	-3.950	-24840	-25060	-25300	-25280	-34470	-34470	-35160	-35760	-27340	-24330
.951	-1.970	-24280	-24340	-24750	-24030	-33290	-33290	-34870	-35320	-27590	-24620
.951	.030	-23740	-24210	-23570	-24230	-33480	-33480	-34220	-35260	-27510	-24540
.950	1.980	-24240	-24210	-23910	-24210	-33640	-33640	-34400	-35550	-27510	-24350
.951	4.000	-24000	-23770	-23990	-23820	-33210	-33210	-34390	-35070	-27750	-24670
.951	5.990	-24210	-23900	-24270	-24450	-33210	-33210	-34020	-35070	-27700	-24630
.950	7.960	-24560	-24410	-24070	-24040	-32760	-32760	-34090	-34830	-27740	-24630
.949	12.030	-26040	-25280	-26090	-25760	-33910	-33910	-34200	-34900	-27420	-24500
.950	16.321	-27420	-27930	-28190	-27540	-35010	-35010	-35530	-36900	-27610	-24500
.950	22.505	-31590	-31870	-31130	-31820	-36720	-36720	-37300	-38600	-27630	-24430
	GRADIENT	.00087	.00137	.00174	.00138	.00109	.00109	.00101	.00058	.00039	.00017

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(E2F060) (16 JUL 77)

REFERENCE DATA

SREF = 2590.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BRFL = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

ALPHA =
 ELEVON =
 SPOBRK =
 RN/L =

5.000 BETA = .000
 25.000 AILRON = .000
 5.000 RUDDER = .000

PARAMETRIC DATA

RUN NO. 318/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BD-LAP	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.101	-11.662	-32810	-33080	-33110	-32750	-34740	-34740	-35280	-35830	38250	35700
1.101	-7.950	-31680	-32120	-32390	-32420	-34190	-34190	-34760	-35190	38480	35800
1.102	-5.920	-31850	-31930	-32090	-31570	-34000	-34000	-34730	-35220	38560	35760
1.101	-3.931	-31230	-31420	-31610	-33790	-33790	-34490	-34970	-34970	38220	35930
1.102	-1.950	-31900	-31860	-31640	-32020	-34120	-34120	-34790	-35270	38220	35760
1.100	.010	-32010	-32320	-32250	-32130	-34520	-34520	-34860	-35660	38460	35510
1.100	1.990	-31880	-32060	-31660	-32270	-34340	-34340	-34710	-35590	38480	35790
1.101	3.990	-32330	-32170	-32100	-32160	-34250	-34250	-35130	-35400	38250	35820
1.100	6.020	-32130	-31900	-32350	-32320	-34540	-34540	-35230	-35670	38240	35530
1.100	7.960	-32580	-32410	-32530	-32640	-34710	-34710	-35270	-36090	38190	35510
1.099	12.040	-33850	-34070	-33850	-34030	-35450	-35450	-35720	-36290	38090	35580
1.101	16.321	-35600	-35320	-35760	-35630	-35960	-35960	-36830	-37180	38620	36070
1.101	22.394	-38280	-38030	-38180	-38120	-37940	-37940	-38320	-38870	38280	35770
1.098	GRADIENT	-00110	-00096	-00050	-00088	-00057	-00057	-00061	-00059	00016	-00010

RUN NO. 310/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BD-LAP	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.202	-11.662	-30670	-30550	-30820	-30850	-31380	-31380	-31430	-32600	40470	36300
1.201	-7.950	-30560	-30450	-30540	-30680	-31420	-31420	-31960	-32680	40390	36230
1.202	-5.940	-30370	-30490	-30370	-30510	-31470	-31470	-31760	-32550	40290	36180
1.201	-3.950	-30420	-30530	-30590	-30610	-31340	-31340	-31980	-32500	40270	36160
1.201	-1.950	-30720	-30510	-30660	-30530	-31260	-31260	-31740	-32580	40350	36260
1.199	.010	-30780	-31040	-31080	-31080	-31610	-31610	-32300	-32840	40080	35980
1.201	1.990	-30770	-30880	-31020	-30990	-31610	-31610	-31860	-32630	40420	36260
1.201	4.010	-30810	-31110	-31350	-31170	-31890	-31890	-32380	-32830	40210	36140
1.201	6.020	-31240	-31270	-31230	-31410	-31520	-31520	-32390	-33190	40380	36360
1.202	7.980	-31330	-31150	-31340	-31410	-31900	-31900	-32420	-32870	40350	36240
1.199	12.030	-32580	-32680	-32610	-32650	-32850	-32850	-33300	-33850	40230	36030
1.201	16.321	-33730	-33680	-33810	-33840	-34640	-34640	-35140	-35720	40200	36220
1.201	22.374	-35560	-35450	-35490	-35420	-34860	-34860	-35090	-35630	40280	36190
1.200	GRADIENT	-00042	-00077	-00085	-00079	-00073	-00073	-00047	-00036	-00003	-00002

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(E2F060) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 309/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.298	-11.652	-30250	-30440	-30410	-30410	-31270	-31270	-31370	-32030	.42820	.38360
1.298	-7.960	-30160	-29940	-30250	-30400	-30900	-30900	-31430	-31970	.42720	.38330
1.297	-5.920	-30290	-30390	-30100	-30300	-31390	-31390	-31470	-32130	.42580	.38110
1.297	-3.940	-30370	-30260	-30220	-30370	-31200	-31200	-31490	-32010	.42680	.38250
1.297	-1.940	-30060	-30380	-30430	-30470	-31010	-31010	-31640	-32160	.42630	.38300
1.297	.010	-30140	-30260	-29950	-30270	-30900	-30900	-31470	-31970	.42640	.38350
1.298	1.990	-29790	-30080	-30060	-29860	-31000	-31000	-31070	-31640	.42670	.38330
1.297	4.010	-30250	-30310	-30200	-30270	-30970	-30970	-31540	-31850	.42530	.38180
1.297	5.980	-29970	-30270	-29980	-30380	-30640	-30640	-31180	-31850	.42750	.38440
1.298	7.970	-30200	-29810	-30040	-30300	-30970	-30970	-31300	-31820	.42750	.38390
1.297	12.030	-30670	-31070	-31110	-30760	-31620	-31620	-31960	-32550	.42570	.38280
1.298	16.311	-32170	-32120	-32150	-32250	-32520	-32520	-32820	-33340	.42710	.38370
1.297	22.364	-34350	-34010	-34180	-34000	-34090	-34090	-34420	-35100	.42720	.38290
	GRADIENT	.00026	.00010	.00020	.00041	.00024	.00024	.00023	.00042	-.00013	-.00006

RUN NO. 304/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.405	-11.672	-31160	-31110	-31160	-31080	-31230	-31230	-31450	-31600	.48340	.44450
1.404	-7.940	-31060	-31060	-31020	-31180	-31150	-31150	-31430	-31570	.48150	.44450
1.404	-5.940	-31070	-31070	-31080	-31120	-31070	-31070	-31240	-31570	.48430	.44490
1.404	-3.921	-31060	-30850	-30890	-31040	-30740	-30740	-31010	-31410	.48540	.44550
1.403	-1.950	-31020	-30880	-30910	-31010	-30790	-30790	-31130	-31510	.48620	.44530
1.404	.020	-30750	-30660	-30810	-30720	-30780	-30780	-30940	-31190	.48500	.44560
1.403	1.990	-30710	-30520	-30740	-30780	-30750	-30750	-30920	-31230	.48770	.44540
1.403	4.000	-30920	-30790	-30990	-30920	-30770	-30770	-31090	-31360	.48730	.44570
1.403	5.990	-31060	-30980	-31000	-31010	-30890	-30890	-31210	-31510	.48490	.44530
1.404	7.950	-30920	-31050	-30900	-30960	-30890	-30890	-31100	-31590	.48760	.44570
1.403	12.040	-31280	-31520	-31410	-31440	-31450	-31450	-31810	-32310	.48490	.44430
1.403	16.311	-32070	-32000	-32070	-32130	-31840	-31840	-31930	-3310	.48760	.44630
1.403	22.313	-33100	-33080	-33250	-33270	-32660	-32660	-32720	-33120	.48840	.44600
	GRADIENT	.00030	.00024	.00002	.00024	-.00001	-.00001	.00002	.00019	.00027	-.00008

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(E2F061) (18 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPOBRK = .25.000
 RN/L = 5.000

RUN NO. 329/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.598	-15.355	-21570	-21690	-22040	-21950	-21580	-21580	-21430	-21670	.07160	.06870
.598	-10.307	-21080	-21340	-21060	-20980	-21120	-21120	-21590	-21360	.06930	.06930
.598	-5.076	-20540	-20400	-20160	-20300	-20370	-20370	-20600	-20740	.07020	.07050
.598	-2.513	-20300	-20230	-20260	-20610	-20370	-20370	-20470	-20800	.07430	.07100
.598	.000	-20510	-20610	-20580	-20560	-20410	-20410	-20720	-21210	.06990	.06960
.598	2.541	-20910	-20430	-20960	-20690	-20530	-20530	-21030	-21120	.07030	.06970
.598	4.864	-21130	-20790	-20700	-20940	-20650	-20650	-20790	-21430	.07290	.06830
.598	9.576	-21170	-21310	-21240	-21550	-21280	-21280	-21540	-21690	.06950	.06540
.598	14.614	-21750	-21610	-21780	-21750	-21450	-21450	-21240	-21430	.06970	.06790
.598	18.253	-21870	-22330	-22040	-21990	-21640	-21640	-21800	-22020	.07250	.06870
.598	23.063	-22850	-22870	-22890	-22490	-21900	-21900	-21880	-22420	.07320	.06940
	GRADIENT	-200117	-200060	-200070	-200045	-200039	-200039	-200052	-200072	-.00016	-.00032

RUN NO. 344/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.800	-15.338	-23010	-22460	-22650	-23010	-24120	-24120	-24390	-24760	.11480	.10780
.800	-10.307	-22280	-21930	-22530	-22150	-23800	-23800	-24120	-24190	.11600	.10630
.800	-5.076	-21980	-22260	-21960	-21710	-23400	-23400	-23550	-24360	.11720	.10700
.800	-2.513	-21290	-21650	-21160	-21710	-23150	-23150	-23250	-23810	.11960	.10780
.799	.000	-2201	-21760	-21550	-21770	-23180	-23180	-23650	-24140	.11540	.10730
.800	2.549	-21890	-21700	-21730	-21510	-22960	-22960	-23540	-23540	.11940	.10920
.800	4.856	-21580	-21960	-21650	-22110	-23680	-23680	-23530	-24020	.11570	.10430
.800	9.584	-22310	-22410	-22410	-22350	-23210	-23210	-23020	-24130	.11750	.10820
.800	14.605	-23050	-22490	-23130	-22980	-23570	-23570	-23840	-24060	.11580	.10860
.800	18.280	-23680	-23500	-23250	-23080	-24370	-24370	-24010	-24780	.11430	.10540
.800	22.963	-23790	-24240	-24050	-23970	-24490	-24490	-24400	-24700	.11640	.10710
	GRADIENT	-200029	-200035	-200068	-200037	-200054	-200054	-200022	-200000	-.00031	-.00034

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(E2F061) (15 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPDBRK = 25.000
 RN/L = 5.000

RUN NO. 390/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.900	-15.381	-25600	-25920	-25460	-26020	-29230	-29230	-30110	-31630	.17000	.15910
.901	-10.331	-24550	-24970	-24700	-24720	-29480	-29480	-31270	-32030	.17040	.15790
.899	-5.008	-24630	-24200	-24470	-24590	-29720	-29720	-30440	-30860	.16740	.15430
.901	-2.504	-24240	-24270	-23830	-24080	-29130	-29130	-29350	-30300	.16970	.15790
.900	.043	-24280	-24310	-24040	-24950	-28450	-28450	-29880	-30610	.16690	.15810
.900	2.566	-24290	-24120	-24040	-24760	-28990	-28990	-29500	-29670	.17070	.15680
.900	4.831	-24480	-23910	-24560	-24680	-28870	-28870	-29890	-31190	.17100	.15620
.902	9.576	-24660	-24790	-24420	-23750	-28620	-28620	-29070	-30380	.17150	.15940
.900	14.605	-25460	-25700	-24540	-25650	-29180	-29180	-29640	-30500	.16970	.15620
.901	18.271	-25660	-25750	-25970	-25850	-28860	-28860	-29620	-29780	.16960	.15760
.902	22.762	-25850	-25900	-26170	-26000	-28780	-28780	-29000	-29210	.17180	.15900
	GRADIENT	- .00029	.00051	- .00088	- .00057	.00010	.00010	- .00050	- .00066	.00031	- .00026

RUN NO. 413/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.951	-14.736	-29120	-29170	-29170	-29400	-36710	-36710	-37480	-38510	.22680	.20560
.951	-10.691	-28800	-28530	-28300	-28320	-36530	-36530	-37200	-38180	.22780	.20470
.950	-5.366	-28940	-28570	-28850	-29040	-36720	-36720	-37290	-38460	.22590	.20320
.951	-2.776	-28070	-27650	-27650	-27940	-35850	-35850	-36830	-37950	.23020	.20790
.952	-.966	-27560	-27750	-27630	-27580	-35830	-35830	-36480	-37460	.22990	.20710
.950	.123	-28430	-28430	-28590	-28610	-36220	-36220	-37050	-38380	.22720	.20490
.950	2.333	-22750	-38610	-41310	-30790	-36740	-36740	-37380	.00000	.22540	.20310
.952	4.811	-28200	-28080	-27570	-28100	-36100	-36100	-36760	-38060	.22970	.20680
.951	9.684	-28960	-28900	-28460	-28610	-36680	-36680	-37520	-38680	.22830	.20620
.950	14.538	-29020	-29070	-29710	-29220	-36970	-36970	-37920	-38920	.22770	.20480
.949	18.070	-30010	-29910	-30230	-29460	-36970	-36970	-37880	-39120	.22750	.20440
.950	22.799	-30430	-30640	-30590	-30930	-37190	-37190	-38150	-38990	.22850	.20570
	GRADIENT	.00223	- .00553	- .00623	- .00157	- .00065	- .00065	- .00029	.01787	- .00021	- .00026

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REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPDBRK = 25.000
 RN/L = 5.000

RUN NO. 350/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.902	-15.364	-24030	-23700	-23640	-23630	-32360	-32360	-33740	-34630	.23400	.21090
.900	-10.315	-23850	-23470	-23420	-23320	-33450	-33450	-33810	-34260	.23070	.20520
.901	-5.101	-23060	-22950	-22690	-23110	-32940	-32940	-33490	-34210	.23160	.20590
.900	-4.079	-22980	-23260	-22580	-23240	-32840	-32840	-33130	-33980	.23030	.20570
.901	-3.066	-22550	-22670	-22720	-22790	-31740	-31740	-33150	-34390	.23390	.20910
.901	-1.988	-22580	-22620	-22580	-22150	-32140	-32140	-32750	-34300	.23020	.20820
.901	-1.945	-22810	-22690	-22760	-22530	-31590	-31590	-33610	-34090	.23210	.20990
.902	.128	-23130	-22210	-22540	-23290	-31780	-31780	-33340	-34080	.23190	.20860
.901	1.057	-22330	-22520	-22510	-22660	-31780	-31780	-32950	-34310	.23320	.20970
.901	2.073	-21830	-22310	-22310	-22380	-32290	-32290	-32720	-34100	.23470	.20820
.902	2.983	-22420	-22510	-22590	-22750	-32280	-32280	-32620	-34470	.23090	.20830
.902	3.929	-22950	-22410	-22890	-22760	-31850	-31850	-32660	-33680	.23130	.21090
.901	4.848	-23700	-23160	-22740	-22520	-32750	-32750	-32440	-34190	.23270	.20730
.901	9.584	-23660	-23070	-22990	-23370	-31740	-31740	-33580	-34820	.23300	.20990
.900	14.614	-23890	-24360	-24400	-24080	-31750	-31750	-33440	-34010	.23480	.20980
.902	18.271	-24460	-24050	-23250	-23910	-32670	-32670	-33270	-33980	.23230	.20820
.901	22.855	-24490	-24730	-25170	-25270	-31830	-31830	-33300	-34070	.23170	.21040
GRADIENT		-0.0027	-0.0034	-0.0023	-0.0029	-0.0012	-0.0012	-0.0080	-0.0012	.00010	.00015

RUN NO. 414/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.950	-14.741	-27890	-27560	-27270	-27420	-34200	-34200	-35070	-36140	.28580	.25110
.951	-5.373	-26310	-25510	-25990	-25890	-33570	-33570	-34670	-35150	.28720	.25080
.950	-2.727	-23220	-26280	-26380	-26070	-33900	-33900	-34170	-35520	.28540	.25000
.951	-1.103	-21190	-25960	-26170	-26690	-32990	-32990	-34440	-35320	.28900	.25220
.950	2.315	-21260	-26060	-25720	-26420	-33110	-33110	-34310	-35270	.28630	.25030
.950	4.968	-21530	-26800	-26450	-26580	-33860	-33860	-34360	-35660	.28500	.24800
.950	9.700	-27170	-26710	-26810	-26710	-33840	-33840	-34520	-35100	.28660	.24930
.949	14.530	-27320	-26720	-26920	-26920	-34090	-34090	-34710	-35640	.28490	.24830
.949	18.051	-28030	-27480	-27710	-27300	-34290	-34290	-35350	-35650	.28400	.24910
.950	22.827	-28450	-28330	-28380	-28710	-34370	-34370	-35390	-36340	.28570	.24970
GRADIENT		-0.0039	-0.0065	.00008	-0.00050	-0.00000	-0.00000	-0.00018	-0.00015	-.00015	-.00031

0A145 TABULATED FORCE DATA

DATE 10 MAR 80

AMES 118-1-11 0A145A 01(-TO+)

(E2F062) (16 JUL 77)

REFERENCE DATA

=	SREF	=	2690.0000	SO.FT.	=	YMRP	=	1075.6800	IN.	XO
=	LREF	=	474.8100	INCHES	=	YMRP	=	.0000	IN.	YO
=	BREF	=	936.6800	INCHES	=	ZMRP	=	375.0000	IN.	ZO
=	SCALE	=	.0500							

PARAMETRIC DATA

ALPHA	=	5.000	BETA	=	.000
ELEVON	=	.000	AIRLON	=	.000
BDFLAP	=	.000	SPDRK	=	25.000
RN/L	=	5.000			

MACH	RUN NO.	357/ 0	RN/L =	4.96	GRADIENT INTERVAL =	-5.00/ 5.00	CP234	CP237	CP240	CP243	CP248	CP12	CP13
RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP248	CP12	CP13			
-15.389	-34190	-34030	-34310	-33980	-33590	-35590	-36560	-36840	39710	36760			
1.093	33560	33900	33320	33290	33580	35980	36730	36960	38930	35590			
1.102	-32660	-32360	-32660	-32990	-35110	-35740	-36620	-36620	38970	36030			
1.102	-32700	-32600	-32730	-32840	-35270	-35270	-35990	-36860	38800	35700			
-2.522	32700	32600	32300	32360	35420	35420	36100	36620	38830	35520			
1.100	32550	32310	32300	32900	35140	35140	35780	36780	38910	35860			
1.100	32770	32780	32800	32900	35140	35140	35780	36780	38910	35860			
1.100	32990	32990	32990	33040	35420	35420	36220	36990	38640	35740			
4.848	33240	33290	33300	33830	35730	35730	36510	37350	38940	35760			
9.584	33410	33390	33390	33330	36110	36110	36970	37670	39060	35720			
1.101	34590	34270	34300	34330	36520	36520	37070	37720	38820	35590			
1.100	34550	34610	34820	35010	36520	36520	37120	37970	38780	35810			
18.262	34950	34950	34950	35210	36530	36530	37120	37970	38780	35810			
22.670	35070	34925	34950	35045	36007	36007	36014	36007	36014	36014			

MACH	RUN NO.	360 / 0	RN/L =	4.95	GRADIENT INTERVAL =	-5.00/	5.00	CP237	CP234	CP237	CP240	CP243	CP246	CP12	CP13
RUDDER	CP225	*P228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13					
-15.389	-32850	-32610	-32820	-32840	-33040	-33040	-33560	-34160	.40430	.35830					
-10.331	-32030	-31980	-31630	-31750	-32830	-32830	-32830	-33710	.40600	.35990					
-5.076	-31340	-31520	-31180	-31480	-32250	-32250	-32810	-33250	.40550	.35950					
-4.104	-30770	-31000	-30860	-31060	-31800	-31800	-32410	-32560	.40800	.36200					
-3.057	-30950	-30980	-30980	-30820	-31880	-31880	-32410	-33300	.40730	.36110					
-1.979	-31140	-30820	-30870	-30900	-32090	-32090	-32620	-32690	.40580	.35940					
- .970	-30920	-30940	-31110	-31140	-32010	-32010	-32580	-33440	.40580	.35920					
.000	-31210	-31210	-31230	-31060	-32020	-32020	-32790	-33190	.40480	.35950					
1.031	-30770	-31060	-31200	-30970	-31880	-31880	-32350	-32950	.40690	.36030					
2.057	-30960	-31350	-31180	-30930	-31920	-31920	-32350	-32970	.40700	.36050					
3.000	-30880	-31150	-31380	-31100	-31770	-31770	-32140	-32800	.40700	.36120					
3.937	-31370	-31260	-31060	-31320	-32280	-32280	-32910	-33420	.40540	.35960					
4.856	-31280	-31690	-31220	-31760	-32480	-32480	-32910	-33130	.40580	.35870					
9.584	-31870	-31750	-31680	-31950	-32310	-32310	-32950	-33420	.40700	.36150					
14.614	-32420	-32370	-32440	-32370	-33070	-33070	-33460	-33910	.40690	.36070					
18.253	-33070	-33050	-33010	-32720	-33120	-33120	-34060	-34350	.40560	.35950					
22.642	-33240	-33070	-33080	-33330	-33480	-33480	-34150	-34510	.40560	.35950					
GRADIENT	- .00035	- .00066	- .00040	- .00060	- .00041	- .00041	- .00042	- .00030	- .00013	- .00016					

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

(E2F082) (16 JUL 77)

AMES 118-1-11 OAI45A OI(-TO+)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6300 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPDBRK = 25.000
 RN/L = 5.000

RUN NO. 380/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.298	-15.372	-31540	-31640	-31750	-31660	-32380	-32380	-32390	-32960	42790	38190
1.298	-10.299	-30740	-30960	-31000	-31210	-31670	-31670	-32210	-32830	42920	38290
1.297	-5.101	-30300	-30480	-30120	-30400	-30950	-30950	-31500	-32090	42780	38350
1.298	-2.476	-30020	-30020	-29880	-29830	-30880	-30880	-31320	-32040	42860	38310
1.298	-.033	-29930	-29910	-29730	-30280	-30810	-30810	-31290	-31860	42890	38360
1.297	2.532	-30130	-30220	-29980	-30220	-30810	-30810	-31390	-31810	42880	38390
1.297	4.856	-30170	-30210	-30380	-30430	-31000	-31000	-31640	-32160	42810	38280
1.297	9.584	-30930	-30850	-30850	-31150	-31340	-31340	-32090	-32300	42860	38440
1.296	14.614	-31880	-31880	-31900	-31710	-32080	-32080	-32800	-33170	42670	38150
1.297	18.308	-31900	-31680	-32150	-31960	-32270	-32270	-32690	-33040	42870	38280
1.297	22.623	-32360	-32450	-32340	-32380	-32530	-32530	-33210	-33650	42810	38250
	GRADIENT	-.00027	-.00036	-.00071	-.00071	-.00014	-.00014	-.00043	-.00012	-.00006	-.00002

FUN NO. 370/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.403	-15.372	-31910	-32010	-31970	-32010	-31720	-31720	-32060	-32470	46240	44670
1.403	-10.299	-31540	-31450	-31540	-31430	-31730	-31730	-31850	-32160	46170	44340
1.403	-5.084	-31130	-30900	-30920	-31000	-31200	-31200	-31510	-31700	46230	44440
1.403	-2.531	-30770	-30960	-30940	-30860	-31050	-31050	-31380	-31700	46130	44420
1.403	.034	-30740	-30670	-30650	-30840	-31080	-31080	-31230	-31490	46210	44330
1.403	2.524	-30720	-30830	-30820	-30940	-31000	-31000	-31270	-31560	46340	44500
1.404	4.864	-30790	-30820	-30910	-30860	-31080	-31080	-31300	-31570	46330	44450
1.403	9.567	-31370	-31350	-31230	-31340	-31490	-31490	-31650	-31920	46230	44350
1.403	14.605	-31750	-31850	-31860	-31830	-31910	-31910	-31990	-32400	46280	44410
1.403	18.271	-32180	-32300	-32160	-32210	-32160	-32160	-32350	-32700	46190	44550
1.403	22.670	-32710	-32630	-32670	-32680	-32560	-32560	-32680	-33000	46170	44350
	GRADIENT	-.00001	.00011	-.00003	.00008	-.00000	-.00000	.00008	.00013	.00030	.00011

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01(+TO-)

(E2F063) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XC
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPDBRK = 25.000
 RN/L = 5.000

RUN NO. 324/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.597	-22.170	-21990	-22180	-21800	-22310	-22310	-22310	-23790	-26140	-14430	-13430
.597	-15.372	-20950	-21170	-21400	-21000	-22530	-22530	-23740	-25780	-14730	-13620
.597	-10.307	-20670	-20790	-20720	-20950	-22540	-22540	-23060	-25240	-14630	-13390
.597	-5.093	-20670	-20510	-20840	-20480	-22110	-22110	-23290	-25050	-14520	-13430
.596	-3.066	-20750	-20890	-20870	-20770	-22510	-22510	-23750	-25560	-14330	-13210
.597	-1.979	-20650	-20720	-20460	-20840	-22280	-22280	-23370	-24890	-14350	-13230
.597	-.962	-20160	-20560	-20560	-20590	-22440	-22440	-23200	-25130	-14560	-13200
.597	.026	-20490	-20440	-20510	-20490	-22540	-22540	-23630	-25290	-14090	-13060
.597	1.031	-20490	-20700	-20320	-20460	-22210	-22210	-23110	-25410	-14560	-13410
.597	2.073	-20290	-21040	-20770	-20870	-22660	-22660	-23400	-25010	-14160	-13100
.596	2.983	-20940	-21080	-21130	-20770	-22370	-22370	-23330	-25380	-14440	-13290
.596	3.880	-21130	-21060	-21270	-21370	-22570	-22570	-23280	-25710	-14530	-13230
.597	4.873	-20900	-20800	-20970	-20680	-22450	-22450	-23350	-25350	-14240	-13350
.596	9.584	-21140	-20970	-21500	-21040	-22690	-22690	-23550	-25620	-14080	-13050
.597	14.596	-21530	-20700	-21740	-21650	-22530	-22530	-23690	-25470	-14270	-13510
.597	18.253	-21910	-22080	-22010	-22100	-22840	-22840	-23830	-25520	-14210	-13390
.597	23.109	-22570	-22350	-22400	-22610	-23300	-23300	-24060	-25840	-14330	-13220
.597	GRADIENT	-00055	-00038	-00070	-00031	-00010	-00010	-00031	-00026	-00000	-00013

RUN NO. 351/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.902	-22.179	-25470	-23990	-24780	-24820	-33110	-33110	-33990	-34530	-23480	-20990
.901	-15.372	-24210	-23330	-23590	-23900	-3250	-3250	-33390	-34760	-23260	-20650
.901	-10.323	-23130	-23150	-23330	-23820	-32170	-32170	-33650	-35000	-23300	-20950
.902	-5.110	-22480	-22310	-22730	-22550	-32320	-32320	-33260	-33860	-23450	-20940
.901	-3.066	-23240	-22730	-22730	-23450	-31890	-31890	-33550	-34290	-23600	-20920
.902	-1.988	-22190	-22380	-22120	-22220	-31860	-31860	-32970	-33660	-23430	-21010
.901	-.954	-22800	-22370	-22720	-22660	-32680	-32680	-32390	-33640	-23220	-20690
.901	.017	-22590	-22430	-22430	-22670	-32950	-32950	-33140	-33930	-23150	-20670
.901	1.023	-22650	-22240	-22430	-22690	-32320	-32320	-33390	-34080	-23200	-20820
.901	2.055	-23020	-22570	-22610	-22900	-31890	-31890	-32870	-34340	-23100	-21060
.901	2.983	-22920	-22370	-22290	-22230	-31810	-31810	-32330	-33960	-23250	-21010
.901	3.921	-23030	-23080	-23220	-22990	-32330	-32330	-33040	-33860	-23370	-20770
.901	4.855	-23030	-23080	-23030	-22800	-31980	-31980	-33380	-34290	-23380	-20930
.902	9.576	-22890	-23440	-22930	-23820	-31780	-31780	-33030	-34290	-23370	-21140
.902	14.586	-23670	-23930	-24190	-24220	-31770	-31770	-32870	-33540	-23350	-21070
.902	18.262	-24370	-23890	-24130	-24200	-32160	-32160	-33310	-33160	-23350	-20990
.902	22.855	-25160	-25110	-25220	-25300	-31990	-31990	-32790	-33800	-23080	-20780
.898	GRADIENT	-04554	-00531	-01434	-01583	-00017	-00017	-00023	-02234	-00032	-00006

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01(+TO-)

(E2F063) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RN/L = 5.000

RUN NO. 361 / 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00 / 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.199	-22.205	-32860	-32860	-32820	-32720	-33410	-33410	-33970	-34290	40520	35930
1.199	-15.398	-32270	-32210	-32020	-32480	-32790	-32790	-33310	-34050	40590	36000
1.199	-10.339	-31790	-31580	-31890	-31750	-32420	-32420	-32620	-33600	40590	36000
1.200	-5.135	-31200	-31160	-31460	-31260	-31840	-31840	-32500	-32870	40640	36140
1.201	-3.066	-31070	-30890	-30810	-30780	-32150	-32150	-32310	-33180	40700	35990
1.199	-1.997	-31190	-31180	-31280	-31020	-31880	-31880	-31880	-33190	40620	36030
1.199	-979	-31260	-31110	-31060	-31080	-32070	-32070	-32200	-33520	40610	35980
1.199	-017	-31200	-31230	-31020	-31050	-32300	-32300	-32520	-33270	40550	35900
1.199	1.040	-30870	-31090	-31160	-31010	-31960	-31960	-32680	-33270	40660	36070
1.200	2.065	-30960	-31200	-30940	-31010	-31530	-31530	-32360	-33110	40720	36170
1.199	3.008	-31200	-31100	-31070	-31300	-32180	-32180	-32910	-33010	40490	36030
1.199	3.929	-31640	-31680	-31620	-31290	-32600	-32600	-32740	-33500	40480	35800
1.200	4.839	-31240	-31580	-31070	-31330	-32280	-32280	-32450	-32710	40560	35960
1.201	9.559	-31570	-31770	-31710	-31870	-32140	-32140	-32840	-33520	40770	36220
1.201	14.577	-32440	-32400	-32390	-32290	-33090	-33090	-33340	-34160	40700	35970
1.201	18.243	-32660	-32890	-32820	-32860	-33140	-33140	-33200	-34420	40700	36080
1.201	22.642	-33050	-32870	-33190	-32900	-33370	-33370	-33880	-34500	40570	36040
1.200	GRADIENT	-00027	-00070	-00034	-00057	-00034	-00034	-00074	-00030	-00017	-00007

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

PAGE 1792

AMES 118-1-11 OAI45A 01

(E2F064) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 BETA = .000
 ELEVON = .000 AILRON = .000
 BD/FLAP = .000 SPDBRK = 25.000
 RN/L = 5.000

RUN NO. 325/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.597	-15.364	-21080	-20520	-21030	-21050	-25730	-25730	-27650	-31060	.17810	.14990
.597	-10.307	-20790	-20500	-20740	-20400	-25460	-25460	-27170	-30760	.17980	.15120
.597	-5.118	-20580	-20580	-20600	-20650	-24990	-24990	-27060	-30540	.18460	.15340
.596	-2.541	-20230	-20790	-20620	-20430	-25090	-25090	-26770	-30840	.18580	.15220
.597	.000	-20240	-20790	-20790	-20930	-24370	-24370	-27310	-29990	.18740	.15720
.597	2.541	-20710	-20500	-20280	-20060	-25310	-25310	-27560	-30330	.17620	.15070
.597	5.028	-20190	-20500	-20260	-20400	-24640	-24640	-26540	-30340	.18340	.15490
.596	9.584	-21220	-21290	-21460	-21460	-24710	-24710	-27180	-30340	.18250	.15510
.596	14.614	-21150	-21130	-21080	-21010	-24450	-24450	-27020	-30560	.18240	.15830
.597	18.280	-21330	-21590	-21160	-21430	-24990	-24990	-27240	-30410	.18360	.15460
.597	23.091	-22470	-22370	-21920	-22090	-25110	-25110	-27530	-31270	.17940	.15620
	GRADIENT	.00094	.00057	.00067	.00073	.00043	.00043	.00155	.00100	-.00189	-.00030

RUN NO. 346/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.801	-15.347	-22300	-22280	-22150	-22260	-30110	-30110	-31550	-31870	.22330	.19010
.800	-10.315	-22540	-21980	-21770	-21620	-29830	-29830	-30900	-31650	.22850	.19020
.801	-5.084	-21790	-21600	-21990	-21340	-28790	-28790	-29430	-31250	.23050	.19570
.800	-2.485	-21630	-21560	-21740	-21500	-28950	-28950	-29760	-30860	.22910	.19310
.801	.068	-21250	-21380	-22040	-21200	-29120	-29120	-29750	-30630	.22630	.19360
.801	2.549	-21900	-22300	-21410	-22220	-29320	-29320	-30450	-31110	.22470	.19190
.799	4.873	-21590	-21780	-22440	-22020	-28750	-28750	-29680	-30220	.22580	.19490
.801	9.584	-22000	-20620	-21000	-22050	-28570	-28570	-30570	-31010	.22870	.19550
.801	14.614	-22160	-22100	-21710	-22520	-28880	-28880	-29630	-31070	.22900	.19490
.800	18.280	-22900	-23050	-23010	-23310	-29210	-29210	-30210	-31190	.22870	.19360
.800	23.009	-23430	-23170	-23410	-23130	-29350	-29350	-30530	-31400	.22650	.19370
	GRADIENT	.00022	.00065	.00058	.00105	.00015	.00015	.00020	.00057	-.00048	.00014

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OAI145 TABULATED FORCE DATA

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(E2F084) (18 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BD/FLAP = .000 SPDBRK = 25.000
 RN/L = 5.000

RUN NO. 352/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.900	-15.355	-25160	-24900	-25900	-25210	-34940	-34940	-35560	-35530	.27110	.23370
.902	-10.307	-24400	-24220	-24140	-24260	-34440	-34440	-34440	-35340	.27440	.23610
.901	-5.110	-24040	-24430	-24000	-24350	-33960	-33960	-35650	-35130	.27140	.23590
.901	-2.522	-23830	-23760	-23300	-23810	-34160	-34160	-33910	-34900	.27070	.23480
.901	.060	-24550	-23800	-24030	-23870	-34030	-34030	-34180	-34870	.27170	.23540
.901	2.516	-24080	-23470	-23970	-24180	-33820	-33820	-34200	-35820	.27400	.23620
.902	4.897	-23780	-24240	-23840	-23340	-34490	-34490	-34370	-34420	.27200	.23350
.902	9.567	-24600	-24570	-24260	-24670	-33870	-33870	-34180	-35260	.27430	.23670
.900	14.586	-25320	-24820	-25220	-25200	-34770	-34770	-34890	-35650	.26950	.23290
.901	18.262	-25450	-25290	-25500	-25520	-34440	-34440	-34560	-35980	.27180	.23540
.900	22.836	-25980	-26080	-26180	-25700	-33940	-33940	-35200	-35370	.27420	.23710
	GRADIENT	.00023	.00044	.00065	.00043	.00030	.00030	.00057	.00018	.00026	-.00012

RUN NO. 415/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.950	-14.747	-27840	-27520	-27090	-27550	-37220	-37220	-37190	-37650	.31960	.26950
.951	-10.691	-26920	-27270	-27120	-26540	-35710	-35710	-36260	-37080	.32320	.27420
.952	-5.344	-26480	-26890	-27330	-26910	-35850	-35850	-36560	-37060	.32580	.27490
.950	-2.760	-26640	-26440	-26860	-26630	-36090	-36090	-36850	-37520	.32210	.27250
.951	-.083	-26880	-26530	-26880	-26580	-35980	-35980	-37150	-37180	.32130	.27200
.952	2.324	-27110	-26360	-26790	-26360	-35800	-35800	-36460	-37370	.32150	.27420
.950	4.802	-27240	-27360	-26630	-27360	-36450	-36450	-36340	-36900	.32100	.27090
.950	9.700	-27690	-26960	-27900	-27340	-36320	-36320	-36670	-37200	.32050	.27210
.950	14.538	-28280	-27670	-27930	-27480	-36170	-36170	-36940	-37590	.32080	.27290
.950	18.061	-27160	-27870	-28010	-27990	-36490	-36490	-37020	-37170	.32090	.27360
.950	22.771	-28360	-28620	-28590	-28490	-35770	-35770	-37580	-37140	.31990	.27360
	GRADIENT	-.00081	-.00103	.00043	-.00078	-.00035	-.00035	.00087	.00067	-.00012	-.00010

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0A145 TABULATED FORCE DATA

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(E2F064) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPDBRK = 25.000
 RN/L = 5.000

RUN NO. 362/ 0 RN/L = 4.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.199	-15.381	-32270	-32200	-32351	-32260	-32170	-32170	-33000	-34100	43370	37080
1.201	-10.339	-31880	-32090	-31960	-32460	-32460	-32460	-32720	-33200	43450	37010
1.199	-5.101	-31320	-31910	-31350	-31630	-32130	-32130	-32430	-33060	43360	36880
1.201	-2.541	-30980	-30980	-31080	-30910	-31520	-31520	-32070	-32940	43510	37210
1.201	-0.042	-31040	-30930	-30700	-31260	-31320	-31320	-31940	-32540	43490	37240
1.200	2.541	-31240	-31200	-31440	-31470	-32200	-32200	-32670	-33300	43300	36960
1.201	4.864	-31080	-31230	-31510	-31370	-32170	-32170	-32610	-32530	43400	37080
1.201	8.737	-31860	-31730	-31760	-31940	-32530	-32530	-32940	-33500	43290	37080
1.199	14.577	-32720	-33000	-32880	-32870	-33070	-33070	-33290	-34110	43290	37140
1.199	18.280	-33000	-32980	-33150	-33260	-33350	-33350	-33820	-34510	43220	37200
1.199	22.614	-33250	-33330	-33430	-33480	-33960	-33960	-34280	-34610	43090	36920
1.199	GRADIENT	-00021	-00041	-00082	-00065	-00115	-00115	-00096	-00027	-00021	-00028

RUN NO. 379/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.300	-15.381	-31190	-33190	-33260	-33280	-33640	-33640	-33950	-34390	45050	38610
1.299	-10.291	-32660	-32790	-32900	-32830	-33270	-33270	-33510	-33990	44940	38440
1.299	-5.160	-31910	-32030	-32170	-32040	-32630	-32630	-32950	-33500	44940	38480
1.299	-2.531	-31770	-31820	-31910	-31930	-32300	-32300	-32770	-33370	44980	38500
1.299	.077	-31740	-31690	-31710	-31730	-32090	-32090	-32660	-33260	44910	38540
1.298	2.524	-31660	-31700	-31770	-31740	-32310	-32310	-32840	-33230	44920	38420
1.298	4.814	-31990	-32180	-32000	-32080	-32660	-32660	-32830	-33290	44860	38450
1.297	9.601	-32580	-32620	-32570	-32490	-33010	-33010	-33460	-33930	44810	38460
1.298	14.633	-33190	-33390	-33270	-33220	-33440	-33440	-33910	-34360	45010	38560
1.297	18.253	-33650	-33650	-33700	-33650	-34000	-34000	-34410	-34780	44790	38400
1.297	22.679	-33910	-34080	-34090	-33940	-34320	-34320	-34750	-35100	44740	38420
1.297	GRADIENT	-00023	-00043	-00012	-00017	-00052	-00052	-00014	-00011	-00014	-00011

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OAI45 TABULATED FORCE DATA

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(E2F054) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

ALPHA =
 ELEVON =
 BD/FLAP =
 RN/L =

10.000 BETA = .000
 .000 AILRON = .000
 .000 SPDBRK = 25.000
 5.000

PARAMETRIC DATA

RUN NO. 371/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.399	-15.389	-33000	-33080	-33160	-33060	-32310	-32310	-32450	-32790	48520	45440
1.401	-10.315	-32690	-32700	-32670	-32750	-31920	-31920	-32100	-32450	48710	45640
1.401	-5.127	-32270	-32170	-32290	-32330	-31630	-31630	-31800	-32080	48730	45730
1.401	-2.504	-32060	-32110	-32110	-32000	-31470	-31470	-31680	-31980	48770	45710
1.401	.111	-32070	-32070	-32080	-32070	-31460	-31460	-31640	-32010	48750	45750
1.402	2.499	-31990	-32090	-32060	-32060	-31480	-31480	-31610	-32000	48760	45790
1.402	4.856	-32330	-32310	-32300	-32330	-31540	-31540	-31850	-32080	48830	45680
1.403	9.567	-32450	-32470	-32530	-32450	-31680	-31680	-32000	-32220	48700	45750
1.403	14.586	-32830	-32830	-32830	-32740	-32050	-32050	-32160	-32470	48600	45700
1.401	18.253	-33250	-33280	-33280	-33290	-32260	-32260	-32480	-32800	48720	45610
1.401	22.688	-33470	-33510	-33510	-33560	-32420	-32420	-32700	-32990	48660	45690
1.401	GRADIENT	-00029	-00027	-00022	-00040	-00009	-00009	-00019	-00012	00008	-00002

AMES 118-1-11 OAI45A 01

(E2F055) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

ALPHA =
 ELEVON =
 BD/FLAP =
 RN/L =

15.000 BETA = .000
 .000 AILRON = .000
 .000 SPDBRK = 25.000
 5.000

PARAMETRIC DATA

RUN NO. 326/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP325	CP328	CP331	CP334	CP337	CP340	CP343	CP346	CP12	CP13
.597	-15.372	-24050	-24000	-23780	-23740	-30400	-30400	-32320	-34260	15710	13150
.598	-10.323	-22810	-22980	-22550	-23030	-30260	-30260	-31700	-33280	16100	13290
.596	-5.093	-23470	-23750	-22550	-23060	-30420	-30420	-32720	-34190	15530	12910
.597	-2.513	-22460	-22910	-22770	-22370	-30130	-30130	-32670	-33990	15750	13110
.597	.068	-24010	-23680	-23660	-23560	-29910	-29910	-32420	-33320	16010	13250
.597	2.524	-23270	-23770	-23390	-23530	-30660	-30660	-32580	-33770	15570	12630
.597	4.864	-22770	-23030	-23110	-22990	-30090	-30090	-31410	-33310	16000	13090
.596	9.593	-23740	-23790	-23480	-23860	-30610	-30610	-32610	-33510	15490	12750
.595	14.623	-24170	-23830	-24460	-24670	-31090	-31090	-32850	-33920	15680	12350
.595	18.299	-24120	-24440	-24220	-24120	-30160	-30160	-32810	-34070	15840	13110
.596	23.091	-24750	-24550	-24390	-24960	-31430	-31430	-32020	-34350	15490	12310
.596	GRADIENT	-00012	-00021	-00033	-00078	-00026	-00026	-00145	-00065	00012	-00028

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OAI45 TABULATED FORCE DATA

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(12F065) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 1076.6800 IN. X0
 LREF = 474.8100 INCHES YMRP = .0000 IN. Y0
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. Z0
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BOFLAP = .000 SPDBRK = 25.000
 R/V/L = 5.000

RUN NO. 363/ 0 RN/L = 4.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.199	-15.389	-33090	-33200	-33320	-33290	-33420	-33420	-33980	-34510	43760	36580
1.199	-10.315	-32960	-33270	-33140	-33010	-33430	-33430	-34030	-34360	43720	36640
1.201	-5.110	-32410	-32650	-32610	-32520	-33060	-33060	-33500	-33890	43740	36730
1.201	-2.504	-32140	-32300	-32340	-32440	-32840	-32840	-33410	-33810	43810	36870
1.200	.008	-32460	-32420	-32300	-32460	-33090	-33090	-33320	-33930	43700	36710
1.200	2.507	-32320	-32490	-32340	-32540	-33050	-33050	-33560	-33990	43660	36730
1.200	4.873	-32530	-32770	-32590	-32640	-33120	-33120	-33690	-34290	43730	36760
1.200	9.618	-32830	-32860	-32820	-32850	-33100	-33100	-33610	-34040	43680	36930
1.199	14.596	-33080	-33080	-33130	-33330	-33380	-33380	-33850	-34310	43540	36950
1.199	22.670	-33190	-33350	-33340	-33630	-34200	-34200	-34360	-34490	43410	36630
	GRADIENT	-0.00042	-0.00060	-0.00032	-0.00028	-0.00033	-0.00033	-0.00044	-0.00061	-0.00012	-0.00013

RUN NO. 378/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.293	-15.372	-33820	-34150	-34220	-34070	-33540	-33540	-34020	-34280	46230	39270
1.295	-10.331	-34030	-34290	-34280	-34280	-33600	-33600	-33920	-34370	46280	39270
1.296	-5.160	-33670	-33820	-33820	-33750	-33390	-33390	-33790	-33940	46300	39400
1.296	-2.577	-33690	-33800	-33620	-33910	-33410	-33410	-33750	-33850	46200	39240
1.296	-.033	-33530	-33770	-33820	-33750	-33240	-33240	-33690	-34040	46250	39350
1.296	2.541	-33690	-33820	-33790	-33680	-33280	-33280	-33660	-34000	46200	39380
1.296	4.856	-33970	-33850	-33890	-33860	-33370	-33370	-33790	-34290	46150	39410
1.296	9.618	-34140	-34310	-34190	-34260	-33740	-33740	-34110	-34320	46110	39360
1.296	14.568	-34550	-34460	-34500	-34570	-33890	-33890	-34230	-34570	46120	39410
1.296	18.271	-34690	-34620	-34690	-34650	-34100	-34100	-34350	-34720	46130	39480
1.295	22.688	-34910	-34930	-34850	-34920	-34320	-34320	-34430	-34870	46050	39360
	GRADIENT	-0.00039	-0.00008	-0.00031	-0.00010	-0.00004	-0.00004	-0.00003	-0.00051	-0.00008	-0.00022

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0A145 TABULATED FORCE DATA

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(E2F056) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

BETA = .000 ELEVON = .000
AILRON = .000 BOFLAP = .000
SPDRK = 25.000 RUDDER = -5.000
RN/L = 5.000

PARAMETRIC DATA

RUN NO. 347/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.797	-4.994	-22720	-22490	-22220	-22550	-24330	-24330	-24610	-25030	.00980	.01650
.799	.011	-21820	-22030	-21370	-21910	-23270	-23270	-23270	-23870	.11970	.10900
.800	2.066	-21600	-21550	-21430	-21660	-23540	-23540	-24020	-25110	.15360	.13980
.796	5.052	-21550	-21780	-22070	-21700	-25050	-25050	-25850	-28150	.18410	.16210
.796	7.101	-21790	-20780	-21600	-22170	-26530	-26530	-28620	-30700	.20590	.18050
.798	8.135	-20440	-21310	-21500	-22160	-27730	-27730	-29260	-31030	.20760	.18290
.796	10.194	-22000	-22360	-22350	-22290	-30160	-30160	-31110	-31770	.22560	.18900
.795	12.242	-23900	-24110	-24460	-24400	-33880	-33880	-35050	-36280	.22520	.18510
.792	15.322	-27220	-27930	-28270	-27240	-37820	-37820	-39570	-40460	.21580	.17680
GRADIENT		.00163	.00125	.00123	.00126	.00131	.00131	.00118	.00034	.02066	.01765

RUN NO. 384/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.902	-5.228	-24750	-24260	-24230	-24570	-28120	-28120	-28810	-29170	.07340	.08390
.904	.208	-23470	-22900	-23120	-23350	-27710	-27710	-28360	-29250	.15650	.15650
.900	1.824	-23530	-23070	-23810	-23710	-29370	-29370	-30460	-31180	.19510	.17670
.896	4.947	-23580	-23680	-22940	-23080	-32230	-32230	-32460	-32900	.22920	.19760
.900	7.010	-23410	-23550	-23450	-24100	-33660	-33660	-33910	-33710	.25010	.21610
.900	8.031	-24110	-23890	-23510	-23410	-34290	-34290	-34790	-35330	.25700	.22260
.899	10.072	-24230	-24620	-24870	-24570	-35210	-35210	-35470	-36060	.26800	.22840
.897	12.166	-26080	-25630	-25220	-26340	-36350	-36350	-37980	-38350	.27190	.23360
.901	15.221	-28850	-27930	-28770	-29140	-40970	-40970	-42200	-43840	.27310	.23050
GRADIENT		.00021	.00155	.00055	.00065	.00880	.00880	.00782	.00695	.01197	.00787

RUN NO. 411/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.951	-4.966	-29910	-29190	-29030	-29110	-39300	-39300	-39800	-40970	.14210	.14210
.949	.123	-28840	-28270	-28660	-28340	-36450	-36450	-37170	-38400	.22790	.20590
.951	2.163	-28350	-27780	-27500	-27800	-36640	-36640	-36910	-38890	.25430	.22830
.948	5.189	-27540	-27130	-26740	-26480	-34400	-34400	-35720	-36180	.28380	.24690
.949	7.280	-26460	-26670	-26100	-26690	-35450	-35450	-35050	-36530	.30130	.26080
.947	8.303	-26350	-26870	-27340	-27670	-36230	-36230	-36100	-36420	.30690	.26420
.944	10.361	-27650	-27890	-26650	-27520	-36850	-36850	-36570	-38390	.31740	.26880
.949	12.390	-29160	-28710	-29080	-28530	-39680	-39680	-39600	-40880	.32250	.26700
.948	15.423	-32720	-32450	-32050	-31500	-42860	-42860	-43620	-44010	.31810	.26310
GRADIENT		.00217	.00195	.00187	.00178	.00409	.00409	.00427	.00333	.01595	.01218

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(E2F066) (16 JUL 77)

REFERENCE DATA

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 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 ATLIRON = .000 BDFLAP = .000
 SPOBRK = 25.000 RUDDER = -5.000
 RN/L = 5.000

RUN NO. 358/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.101	-5.075	-32700	-32650	-32610	-32440	-33150	-33150	-33240	-34330	.28110	.29100
1.101	-.018	-32330	-32270	-32450	-32180	-32760	-32760	-33260	-33820	.34130	.32590
1.102	2.028	-32020	-32410	-31900	-32320	-32620	-32620	-33070	-34010	.38450	.34200
1.100	5.120	-33220	-33100	-33230	-33550	-35830	-35830	-36200	-36920	.38420	.35290
1.097	7.174	-34010	-34070	-34040	-34200	-34650	-34650	-35590	-35430	.40440	.36570
1.097	8.209	-34080	-34070	-33890	-34190	-35100	-35100	-35880	-35980	.40310	.36800
1.095	10.240	-34700	-34700	-34770	-34940	-36410	-36410	-37210	-37670	.41190	.37090
1.093	12.259	-35890	-36190	-35840	-36370	-38040	-38040	-38490	-39270	.42110	.36780
1.099	15.317	-38270	-38520	-38370	-38420	-39950	-39950	-40770	-41470	.41220	.36360
	GRADIENT	.00152	-0.0068	.00269	-0.0068	.00058	.00058	.00093	-0.0093	.01134	.00787

RUN NO. 364/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.200	-5.102	-30250	-30370	-30320	-30430	-29450	-29450	-29560	-30210	.32280	.34150
1.200	-4.846	-30100	-30220	-30280	-30290	-29300	-29300	-29370	-29980	.32560	.34240
1.200	-.057	-30070	-30070	-30100	-30010	-29550	-29550	-29980	-30650	.37240	.35090
1.198	2.512	-30490	-30390	-30390	-30450	-30890	-30890	-31160	-31870	.38900	.35220
1.198	5.186	-31440	-31320	-31380	-31480	-31900	-31900	-32880	-33220	.40560	.35980
1.196	7.158	-31340	-31470	-31660	-31980	-31570	-31570	-31930	-32340	.41820	.36210
1.199	8.199	-31280	-31460	-31620	-31720	-31750	-31750	-32300	-32790	.42140	.36690
1.198	10.271	-31540	-31480	-31350	-31290	-32140	-32140	-32430	-33360	.43310	.36870
1.199	12.262	-30770	-30990	-30660	-31230	-32130	-32130	-32430	-32680	.43640	.36760
1.199	15.287	-32460	-32680	-32750	-32680	-33060	-33060	-33660	-34130	.43630	.36690
	GRADIENT	-0.0045	-0.0016	-0.0008	-0.0012	-0.0195	-0.0195	-0.0229	-0.0242	.00876	.00139

RUN NO. 377/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.297	-5.289	-29810	-29070	-29040	-28990	-29460	-29460	-30260	-30710	.36000	.38000
1.299	-.381	-29160	-29270	-29060	-29170	-29510	-29510	-29880	-30400	.38930	.38740
1.296	2.284	-29650	-29510	-29510	-29470	-30220	-30220	-30670	-31160	.41390	.38570
1.294	4.753	-30390	-30270	-30340	-30700	-31560	-31560	-31740	-32550	.42700	.38030
1.293	6.872	-31130	-31280	-31280	-31270	-31960	-31960	-32300	-33050	.44310	.38010
1.294	7.890	-31740	-31980	-31760	-32240	-32240	-32240	-32760	-33390	.44380	.38130
1.294	10.031	-32250	-32470	-32360	-32310	-32830	-32830	-32950	-33550	.44540	.38010
1.282	12.008	-33620	-33950	-33810	-33960	-34140	-34140	-34750	-34730	.44750	.38130
1.289	15.076	-36990	-37370	-37380	-37680	-38280	-38280	-38990	-39390	.46260	.39190
1.294	GRADIENT	-0.0239	-0.0193	-0.00248	-0.0295	-0.0398	-0.0398	-0.0361	-0.0417	.00737	-0.0137

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REFERENCE DATA

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 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
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PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPDBRK = 25.000 RUDDER = -5.000
 RN/L = 5.000

RUN NO. 373/ 0 RN/L = 4.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.407	-5.316	-28930	-28970	-28920	-28840	-29070	-29070	-29420	-29620	.38240	.41730
1.414	-1.158	-29660	-29820	-29810	-29740	-29790	-29790	-29900	-30210	.43780	.43630
1.413	2.288	-30490	-30530	-30390	-30460	-30730	-30730	-30900	-31190	.45090	.45040
1.412	4.793	-30680	-30630	-30570	-30590	-30930	-30930	-30980	-31380	.46410	.44650
1.409	6.848	-31170	-31180	-31250	-31220	-31220	-31220	-31440	-31730	.48750	.44930
1.407	7.896	-31580	-31670	-31620	-31680	-31440	-31440	-31690	-32030	.48080	.44900
1.403	10.038	-32220	-32270	-32290	-32250	-31620	-31620	-31770	-32120	.48340	.45240
1.398	12.044	-32800	-32950	-32980	-32980	-31820	-31820	-32080	-32370	.48680	.45310
1.393	15.113	-33480	-33650	-33620	-33520	-31510	-31510	-31750	-31990	.49650	.45340
	GRADIENT	-00205	-00163	-00153	-00171	-00230	-00230	-00217	-00236	.00531	.00205

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REFERENCE DATA

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 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPDBRK = 25.000 RUDDER = -5.000
 RN/L = 5.000

RUN NO. 327/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.597	-6.035	-21540	-21570	-21470	-21520	-22980	-22980	-24000	-25380	.29020	-.01380
.596	-1.878	-20830	-20590	-20660	-20950	-22640	-22640	-23160	-25830	.19050	.08460
.597	-.828	-20400	-20110	-20350	-20230	-22030	-22030	-22550	-25330	.16770	.11450
.597	.042	-20050	-20360	-20150	-20390	-22280	-22280	-23180	-25480	.14620	.13380
.596	.433	-20700	-20630	-20920	-20730	-22680	-22680	-23630	-25720	.13410	.14080
.596	.939	-20660	-20560	-20560	-20560	-22770	-22770	-23440	-25930	.12480	.15280
.596	2.032	-20490	-20750	-20830	-20920	-22690	-22690	-23900	-25660	.10150	.18100
.596	3.092	-21630	-20990	-20750	-21540	-22910	-22910	-23930	-25950	.07210	.20550
.596	4.133	-21230	-21280	-21590	-21570	-22430	-22430	-24000	-26210	.05470	.27280
.596	6.186	-22300	-21940	-21750	-22920	-23290	-23290	-24270	-26450	.00230	.27280
	GRADIENT	-00153	-00151	-00149	-00183	-00049	-00049	-00207	-00098	-.02301	.02416

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(E2F067) (16 JUL 77)

REFERENCE DATA

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 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPD8RK = 25.000 RUDDER = -5.000
 RN/L = 5.000

RUN NO. 348/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.798	-6.086	-22010	-21480	-21980	-21860	-24330	-24330	-25370	-27210	.33670	.01420
.799	-1.873	-21270	-20850	-21040	-20780	-23780	-23780	-24900	-27290	.23790	.12070
.799	.799	-21210	-21080	-21550	-21380	-24110	-24110	-25180	-27290	.21060	.14530
.799	.046	-20730	-21180	-20990	-21310	-24570	-24570	-25470	-27220	.18700	.16470
.799	.461	-21110	-20500	-21140	-21030	-24720	-24720	-25590	-27850	.18010	.17590
.798	1.022	-21570	-21080	-21300	-21810	-24830	-24830	-25480	-27740	.16410	.19090
.800	2.083	-21390	-22160	-21630	-21270	-25060	-25060	-26360	-28390	.14310	.21600
.799	3.148	-21720	-21660	-22380	-22430	-25750	-25750	-26390	-28360	.11470	.23960
.799	4.189	-22450	-22770	-22150	-22410	-25300	-25300	-25910	-28200	.09310	.26940
.796	6.267	-23890	-24200	-23420	-23720	-26380	-26380	-27210	-29860	.03430	.31710
	GRADIENT	-00193	-00300	-00210	-00256	-00292	-00292	-00223	-00210	-.02382	.02441

RUN NO. 385/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.901	-6.114	-23630	-23230	-23030	-23350	-30220	-30220	-31890	-32930	.37630	.05510
.903	-1.973	-22410	-21920	-22290	-22630	-31880	-31880	-32160	-33860	.28350	.15670
.902	.920	-22420	-22490	-22030	-22690	-32080	-32080	-32830	-33530	.25890	.18140
.903	.117	-23030	-23350	-22850	-22430	-31250	-31250	-32000	-32940	.23760	.20870
.902	.665	-23290	-22870	-23220	-23340	-31820	-31820	-31990	-33320	.22390	.22130
.902	1.172	-23070	-22950	-23120	-23120	-31960	-31960	-32210	-32710	.21120	.23480
.900	2.251	-24260	-23070	-23470	-23990	-32330	-32330	-33400	-33860	.18280	.26010
.901	3.304	-24730	-24810	-24240	-24810	-33420	-33420	-33990	-33750	.15960	.28560
.901	4.351	-25210	-25550	-24790	-24940	-33690	-33690	-34630	-34250	.13820	.31240
.899	6.428	-27110	-26430	-26800	-26750	-34240	-34240	-36260	-36680	.08920	.36520
	GRADIENT	-00483	-00520	-00435	-00431	-00317	-00317	-00390	-00089	-.02335	.02459

RUN NO. 412/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.951	-6.107	-25980	-26210	-26000	-26460	-33800	-33800	-34380	-35450	.43410	.09550
.950	-1.939	-25470	-24890	-25070	-24610	-33010	-33010	-34140	-35040	.33670	.19890
.950	.950	-25560	-25660	-25580	-25680	-33110	-33110	-34060	-34660	.31160	.22680
.950	.046	-26410	-26660	-27010	-26740	-33500	-33500	-34900	-35250	.28740	.25160
.951	.587	-26290	-25990	-26010	-26090	-33750	-33750	-34120	-35280	.27830	.26600
.951	1.105	-26090	-25260	-25970	-26270	-34040	-34040	-35190	-35940	.26510	.27800
.950	2.163	-26780	-26060	-26960	-26740	-34020	-34020	-34690	-35790	.24090	.30550
.950	3.206	-26540	-26410	-27340	-26570	-34920	-34920	-35560	-36220	.21290	.30550
.950	4.247	-28620	-28470	-28430	-28480	-35210	-35210	-37190	-37260	.19400	.35890
.950	6.325	-30050	-31130	-30250	-29960	-37720	-37720	-37790	-39540	.14340	.41020
	GRADIENT	-00408	-00383	-00474	-00464	-00372	-00372	-00423	-00362	-.02328	.02564

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AMES 118-1-11 OAI45A 01

(E2F067) (16 JUL 77)

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 SCALE = .0500

PARAMETRIC DATA

ALPHA =
 AILRON =
 SPDBRK =
 RN/L =

ELEVON = .000
 BDFLAP = .000
 RUDDER = -5.000

RUN NO. 359/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.100	-6.081	-34780	-34730	-34720	-34570	-36820	-36820	-37330	-38010	53300	21440
1.100	-1.945	-32540	-33090	-32490	-32840	-35690	-35690	-36620	-37410	43430	30810
1.099	-.905	-32580	-32680	-32650	-32950	-35550	-35550	-36360	-37260	41220	33500
1.100	.168	-32790	-32620	-33220	-33180	-35420	-35420	-36020	-36940	39870	36000
1.101	.674	-32930	-33140	-32990	-32960	-34900	-34900	-35510	-36270	37620	37340
1.100	1.182	-32950	-32970	-32970	-32970	-34850	-34850	-35360	-36070	36280	38440
1.101	2.224	-33010	-33020	-32890	-32770	-34120	-34120	-34420	-35750	34510	41430
1.100	3.264	-32890	-33190	-33200	-33050	-34230	-34230	-34630	-35620	32470	43880
1.100	4.302	-33820	-33700	-33550	-33990	-35370	-35370	-35370	-35600	30580	46770
1.100	6.367	-34600	-34840	-34360	-34270	-35320	-35320	-35920	-36640	25890	51380
1.100	GRADIENT	-30160	-30109	-300135	-300107	-300309	-300309	-300309	-300336	-302071	302543

FUN NO. 365/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.199	-6.167	-32180	-32100	-32000	-32040	-32480	-32480	-32650	-33060	54560	25960
1.201	-2.034	-31250	-31320	-31200	-31280	-32150	-32150	-32290	-33190	45030	33120
1.199	-.984	-31050	-31160	-31150	-31060	-32050	-32050	-32400	-33010	42830	33410
1.199	.023	-31450	-31310	-31370	-31350	-32180	-32180	-32430	-33640	40710	35780
1.201	.699	-31220	-31260	-31180	-31230	-32060	-32060	-32460	-33020	39520	37660
1.199	1.159	-31340	-31340	-31650	-31780	-32200	-32200	-32530	-32950	38470	38730
1.199	2.208	-31210	-31020	-30940	-31120	-31770	-31770	-32080	-32870	36720	41380
1.199	3.253	-30940	-31160	-31260	-30990	-31620	-31620	-32160	-32500	34770	43980
1.200	4.290	-31430	-31290	-30880	-31570	-31560	-31560	-32290	-33280	32660	46520
1.199	6.361	-31650	-31850	-31710	-32090	-32080	-32080	-32460	-33100	29290	51860
1.196	GRADIENT	-30002	-30013	-300039	-300018	-300104	-300104	-300030	-300059	-301930	302462

RUN NO. 376/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.299	-6.095	-31330	-31390	-31350	-31390	-32610	-32610	-32980	-33260	55020	31920
1.301	-1.950	-30240	-30100	-30200	-30330	-31590	-31590	-32050	-32340	46640	36300
1.299	-.898	-29750	-29830	-30210	-30270	-31440	-31440	-31710	-31980	44870	37020
1.297	.149	-30540	-30630	-30560	-30670	-31450	-31450	-31910	-32460	42800	38170
1.296	.656	-30200	-30400	-30610	-30440	-31500	-31500	-31870	-32260	41730	38990
1.297	1.194	-30550	-30670	-30520	-30740	-31190	-31190	-31690	-32380	40930	40280
1.297	2.257	-30820	-30770	-30830	-30840	-31310	-31310	-31720	-32310	39740	42430
1.297	3.313	-31040	-30950	-31140	-31080	-31310	-31310	-31790	-32230	38580	44590
1.296	4.356	-31310	-31330	-31270	-31350	-30710	-30710	-31440	-32660	37470	46940
1.296	6.423	-30850	-30900	-30810	-30840	-30760	-30760	-31190	-33100	34140	51630
1.294	GRADIENT	-300211	-300208	-300181	-300168	-300101	-300101	-300064	-300063	-301455	301757

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OAI45 TABULATED FORCE DATA

PAGE 1803

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(E2F067) (16 JUL 77)

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 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

ALPHA =
 AILRON =
 SPDBRK =
 RN/L =

5.000 ELEVON = .000
 .000 BDFLAP = .000
 25.000 RUDDER = -5.000
 5.000

PARAMETRIC DATA

RUN NO. 374/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.410	-6.161	-30000	-30000	-30020	-30080	-30450	-30450	-30490	-30870	.57270	.34690
1.409	-2.007	-30550	-30470	-30450	-30570	-30840	-30840	-31140	-31350	.48820	.42360
1.405	-.947	-30780	-30720	-30740	-30650	-31080	-31080	-31320	-31700	.47580	.43280
1.405	.107	-30840	-30830	-30860	-30790	-31190	-31190	-31160	-31660	.46650	.44430
1.404	.674	-30870	-31000	-30770	-30850	-30960	-30960	-31170	-31640	.46490	.45030
1.403	1.187	-30790	-30840	-30830	-30890	-30910	-30910	-31190	-31520	.45700	.45280
1.402	2.248	-31020	-30940	-31040	-30970	-30880	-30880	-31180	-31620	.44970	.46350
1.403	3.304	-30740	-30940	-30870	-30840	-30830	-30830	-30970	-31360	.42680	.47690
1.402	4.355	-30810	-30700	-30820	-30750	-30530	-30530	-30940	-31220	.40490	.48890
1.400	6.145	-30020	-30250	-30170	-30300	-29370	-29370	-29930	-30080	.34730	.54520
	GRADIENT	-0.0028	-0.0038	-0.0052	-0.0036	-0.0059	-0.0059	-0.0043	.00039	-.01234	.01121

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(E2F068) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

ALPHA =
 AILRON =
 SPDBRK =
 RN/L =

5.000 ELEVON = .000
 .000 BDFLAP = .000
 25.000 RUDDER = -22.800
 5.000

PARAMETRIC DATA

RUN NO. 328/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.597	-6.007	-22200	-22390	-22610	-22630	-23320	-23320	-24530	-26350	.28980	-.01140
.597	-1.850	-21910	-21880	-21620	-22000	-23030	-23030	-24330	-26370	.19210	.09060
.597	-.803	-22680	-21920	-22410	-21860	-23730	-23730	-24270	-26120	.16510	.11050
.598	.050	-21700	-22350	-21970	-22250	-22940	-22940	-24080	-26200	.14870	.13810
.598	.456	-22490	-22010	-22010	-22230	-23880	-23880	-24380	-26580	.13420	.14090
.598	.971	-22320	-22340	-22370	-22420	-23910	-23910	-24920	-26980	.12360	.15440
.597	2.065	-22400	-22290	-22120	-22810	-24190	-24190	-24780	-26440	.09920	.17930
.598	3.126	-23010	-22460	-22720	-22600	-23900	-23900	-24630	-26260	.07290	.20800
.598	4.157	-22820	-22860	-22840	-23200	-24400	-24400	-25230	-26650	.05090	.26650
.597	6.208	-22840	-23510	-23150	-22880	-24760	-24760	-25470	-27620	.00020	.27210
	GRADIENT	-0.00185	-0.00145	-0.00164	-0.00203	-0.00199	-0.00199	-0.00150	-.00042	-.02351	.02311

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(E2F058) (16 JUL 77)

REFERENCE DATA

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 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPDRK = 25.000 RUDDER = -22.800
 RN/L = 5.000

RUN NO. 389/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.900	-6.085	-25120	-25080	-24980	-24620	-30310	-30310	-31030	-32220	.39500	.05040
.901	-1.905	-24310	-24350	-25100	-24550	-32040	-32040	-32710	-33640	.28220	.15810
.900	-.868	-25450	-25400	-25160	-25540	-31900	-31900	-32260	-33300	.25800	.18540
.901	.058	-25260	-25590	-25320	-24890	-31780	-31780	-32290	-32580	.23690	.20970
.900	.586	-25280	-24780	-25200	-24730	-32240	-32240	-32180	-33620	.22250	.22020
.902	1.111	-25630	-25270	-24860	-25120	-31520	-31520	-32440	-31670	.21630	.23760
.899	2.182	-26390	-26620	-26800	-25900	-32130	-32130	-32830	-34110	.18710	.26150
.898	3.222	-26960	-26460	-26930	-26870	-32850	-32850	-33210	-34030	.16020	.28660
.897	4.264	-27640	-27290	-27220	-27640	-33760	-33760	-33960	-34720	.13320	.31050
.896	6.339	-30530	-29470	-30100	-30120	-33800	-33800	-35270	-35670	.09260	.36540
GRADIENT		-.00499	-.00430	-.00405	-.00462	-.00258	-.00258	-.00225	-.00217	-.02402	.02470

RUN NO. 366/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.201	-6.039	-33350	-33450	-33550	-33570	-33730	-33730	-34530	-34840	.54250	.26230
1.200	-1.911	-32730	-32790	-32830	-32980	-33230	-33230	-33530	-33770	.44780	.31500
1.199	-.866	-32980	-33010	-32900	-32700	-33160	-33160	-33500	-34070	.42420	.33810
1.198	.204	-32650	-32550	-32850	-33090	-33600	-33600	-33790	-34120	.40230	.36120
1.200	.675	-32580	-32590	-32490	-32510	-33100	-33100	-33610	-34080	.39480	.37470
1.201	1.186	-32220	-32120	-32450	-32720	-32780	-32780	-33230	-33920	.38590	.38900
1.200	2.228	-31740	-32050	-31920	-32010	-32380	-32380	-32960	-33060	.36780	.41610
1.199	3.267	-31950	-32270	-31970	-32040	-32510	-32510	-33100	-33610	.34630	.43770
1.197	4.303	-31710	-32290	-32270	-32190	-32410	-32410	-33060	-33410	.32510	.46450
1.197	6.371	-32370	-32350	-32410	-32240	-32500	-32500	-32870	-33660	.29600	.51940
GRADIENT		.00211	.00121	.00153	.00163	.00173	.00173	.00115	.00110	-.01929	.02430

RUN NO. 375/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.402	-6.101	-31340	-31370	-31360	-31520	-31610	-31610	-31840	-32070	.57030	.35040
1.408	-1.935	-32100	-32020	-31980	-32030	-32210	-32210	-32380	-32590	.48520	.42360
1.407	-.888	-32320	-32180	-32140	-32260	-32340	-32340	-32420	-32850	.47260	.43330
1.405	.190	-32530	-32490	-32480	-32510	-32320	-32320	-32540	-32790	.46520	.44620
1.404	.673	-32550	-32530	-32500	-32500	-32280	-32280	-32480	-32840	.46040	.44910
1.404	1.211	-32500	-32430	-32430	-32330	-32110	-32110	-32380	-32650	.45410	.45280
1.403	2.269	-31930	-32010	-32010	-32040	-31690	-31690	-31860	-32230	.44790	.46250
1.402	3.318	-31790	-31920	-31780	-31550	-31430	-31430	-31670	-32040	.42690	.47800
1.402	4.370	-31800	-31720	-31820	-31740	-31310	-31310	-31520	-31910	.39950	.49710
1.399	6.454	-31010	-31260	-31140	-30940	-29870	-29870	-30040	-30440	.34710	.54550
GRADIENT		.00092	.00070	.00062	.00100	.00179	.00179	.00166	.00148	-.01249	.01111

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(E2F069) (16 JUL 77)

REFERENCE DATA

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 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 BETA = 5.000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPDRK = 25.000
 RN/L = 5.000

RUN NO. 322/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.598	-15.372	-21950	-22500	-22670	-22290	-22020	-22020	-21950	-22620	-.02270	.17610
.597	-10.323	-22180	-22300	-22400	-22110	-21810	-21810	-21620	-21720	-.02770	.17460
.598	-5.118	-21390	-21550	-21740	-21720	-21170	-21170	-21210	-21190	-.02560	.17580
.597	-2.541	-21540	-21380	-21400	-21350	-21280	-21280	-21210	-21570	-.02560	.17290
.597	.077	-21660	-21930	-21190	-21520	-21140	-21140	-21220	-21600	-.02680	.17360
.597	2.524	-21730	-21660	-21590	-21520	-21400	-21400	-21500	-21400	-.02920	.17140
.597	4.823	-21760	-21760	-21830	-21520	-21110	-21110	-21180	-21610	-.02710	.17360
.597	9.601	-22350	-21870	-21920	-22140	-21060	-21060	-21630	-21510	-.02620	.17460
.597	14.596	-22180	-22260	-22300	-22260	-21580	-21580	-21420	-21390	-.02390	.17260
.597	18.271	-22710	-22810	-22690	-22680	-21780	-21780	-21780	-22280	-.02790	.17300
.597	23.109	-23590	-23850	-23570	-23570	-22250	-22250	-22290	-22440	-.02980	.17190
	GRADIENT	-.00030	-.00037	-.00068	-.00021	.00010	.00010	-.00009	.00004	-.00029	-.00001

RUN NO. 349/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.901	-15.347	-28170	-27630	-27650	-28000	-34400	-34400	-35060	-37160	.06640	.27540
.903	-10.323	-27740	-27760	-27510	-27580	-33710	-33710	-33900	-34440	.07010	.27780
.902	-5.110	-26890	-26890	-26450	-27010	-32500	-32500	-34300	-34610	.06860	.27700
.901	-2.522	-27050	-25960	-26340	-26580	-33500	-33500	-33380	-34380	.06780	.27470
.901	.000	-26790	-26700	-26240	-26370	-31680	-31680	-33440	-35370	.06880	.27730
.902	2.491	-26070	-25970	-25910	-25690	-32440	-32440	-33500	-35070	.06920	.27670
.902	4.873	-25510	-26110	-25710	-26200	-32230	-32230	-32370	-33110	.06850	.27590
.902	8.576	-42330	-14350	-05510	-03120	-32390	-32390	-32320	.00000	.06850	.27500
.901	14.614	-26250	-27170	-26980	-27140	-31180	-31180	-32080	-33700	.06860	.27600
.901	18.271	-27590	-27330	-27610	-27570	-31190	-31190	-33210	-33020	.07010	.27570
.901	22.873	-27780	-28200	-27750	-28030	-31330	-31330	-32690	-33070	.07030	.27480
	GRADIENT	.00216	.00011	.00090	.00075	.00125	.00125	.00119	.00163	.00010	.00013

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(E2F070) (08 JUL 77)

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 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILIRON = .000 BDFLAP = .000
 SPOBRK = .000 RUDDER = .000
 RN/L = 5.000

RUN NO. 644/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.598	-5.071	-19630	-19840	-19560	-19350	-21130	-21130	-21420	-22100	-03640	-03640
.599	-1.101	-19630	-19840	-19560	-19350	-20070	-20070	-20230	-20610	-08390	-08390
.597	2.413	-19750	-19540	-19680	-19230	-21330	-21330	-21610	-22620	-12640	-10170
.597	4.970	-19680	-19590	-19640	-19490	-22930	-22930	-24220	-25440	-15400	-12950
.596	6.994	-20110	-19680	-19950	-19320	-23980	-23980	-26150	-28080	-17530	-14630
.596	8.028	-19880	-19150	-19810	-19720	-24030	-24030	-27050	-29030	-18040	-15650
.595	10.099	-19960	-20110	-20350	-20030	-26150	-26150	-28730	-31800	-18480	-14930
.595	12.126	-20530	-20650	-20630	-21200	-27120	-27120	-30090	-34530	-18740	-15100
.596	15.126	-22880	-22760	-22570	-22930	-31770	-31770	-33850	-34740	-16340	-12440
	GRADIENT	-00010	-00112	-00081	-00059	-00564	-00564	-00788	-00953	-01382	-01201

RUN NO. 659/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.801	-5.027	-21400	-21960	-21320	-21890	-23940	-23940	-24280	-24160	-02310	-02200
.800	-1.106	-20660	-20820	-20510	-20130	-22560	-22560	-23500	-23530	-13360	-11110
.799	2.441	-20480	-20270	-20480	-20800	-23680	-23680	-24600	-25350	-16750	-14120
.796	4.977	-20920	-20790	-20690	-21130	-24770	-24770	-26240	-27590	-19430	-16370
.798	7.061	-20890	-21040	-20820	-20840	-27350	-27350	-29380	-30860	-21590	-18140
.799	8.082	-21340	-20890	-21680	-20600	-27930	-27930	-29780	-31130	-22220	-18820
.799	10.130	-21780	-21990	-22080	-22100	-29980	-29980	-30880	-32280	-23290	-18840
.799	12.149	-23040	-23360	-22970	-23660	-32720	-32720	-33260	-34400	-23570	-18930
.800	15.201	-27000	-26580	-27130	-27470	-38930	-38930	-40140	-40510	-22040	-17480
	GRADIENT	-00051	-00006	-00035	-00197	-00435	-00435	-00539	-00799	-01190	-01035

RUN NO. 632/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.900	-5.098	-24290	-25090	-24640	-24910	-28680	-28680	-28920	-30010	-08830	-08680
.899	-0.073	-23240	-23340	-22490	-22870	-27390	-27390	-28540	-29590	-18290	-16040
.899	2.444	-23530	-23110	-22660	-23230	-29740	-29740	-32250	-32040	-21770	-18660
.895	5.002	-24150	-23870	-24790	-24150	-33620	-33620	-34340	-36010	-23660	-20220
.901	7.089	-24410	-24490	-23660	-24230	-33540	-33540	-34330	-34670	-26230	-22190
.897	8.109	-25180	-25060	-25330	-25210	-33890	-33890	-34610	-35380	-26500	-22630
.901	10.136	-25220	-24790	-24790	-24690	-34930	-34930	-37540	-37540	-27540	-23020
.900	12.173	-26770	-26440	-26990	-26390	-36880	-36880	-38250	-37750	-28080	-23090
.898	15.213	-30620	-29840	-29440	-29810	-40490	-40490	-41930	-42500	-27880	-22810
	GRADIENT	-00115	-00091	-00068	-00143	-00934	-00934	-01474	-00973	-01383	-01041

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(E2F070) (08 JUL 77)

REFERENCE DATA

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 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BDELAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 5.000

RUN NO. 623/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.951	-5.265	-28620	-28840	-27790	-28820	-39570	-39570	-40620	-41530	.13460	.13420
.950	-1.04	-27390	-27290	-26990	-27170	-36280	-36280	-36880	-37930	.21980	.19560
.951	2.447	-27040	-26620	-26820	-27040	-36470	-36470	-38280	-38970	.25360	.22210
.951	4.941	-26080	-24910	-25010	-25410	-33710	-33710	-34630	-35340	.27930	.24170
.950	6.982	-25190	-23200	-25240	-25010	-33520	-33520	-34460	-35810	.30000	.25610
.950	8.013	-24940	-25090	-25080	-24960	-34550	-34550	-35170	-35400	.30260	.26140
.951	10.043	-26040	-25460	-25640	-25450	-35840	-35840	-36460	-36890	.31210	.26540
.949	12.030	-27680	-27700	-27500	-27900	-37780	-37780	-38410	-38230	.31540	.26000
.950	15.010	-30760	-30880	-30310	-27900	-40860	-40860	-41930	-42730	.31540	.26000
	GRADIENT	.00259	.00471	.00391	.00348	.00507	.00507	.00442	.00510	.01180	.00914

RUN NO. 622/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.101	-5.091	-32100	-32000	-32060	-31950	-32880	-32880	-33420	-33950	.29380	.29420
1.103	-.021	-30930	-30900	-31140	-31030	-31770	-31770	-32230	-32530	.35580	.33180
1.100	2.488	-31410	-31580	-31300	-31610	-32670	-32670	-33230	-33880	.37710	.34230
1.101	5.039	-31750	-31450	-31630	-31520	-34250	-34250	-34660	-35660	.39650	.35630
1.101	7.054	-32150	-32150	-31780	-31880	-32930	-32930	-33410	-33500	.41600	.36960
1.101	8.035	-32350	-32500	-32550	-32580	-33480	-33480	-34130	-34240	.42020	.37390
1.102	10.034	-32860	-32840	-33120	-33480	-35120	-35120	-35440	-36090	.42160	.37420
1.098	12.044	-34800	-34470	-34760	-34680	-37080	-37080	-37800	-38530	.42090	.37070
1.098	15.046	-37690	-37790	-37750	-37880	-39840	-39840	-40620	-41110	.42000	.36240
	GRADIENT	.00191	.00271	.00064	.00231	.00359	.00359	.00399	.00538	.00849	.00419

RUN NO. 609/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.203	-5.074	-28420	-28690	-28560	-28680	-28500	-28500	-28740	-29100	.34110	.34780
1.201	-.068	-29670	-28740	-28840	-28800	-28600	-28600	-29120	-29750	.38690	.35290
1.200	2.489	-29050	-29030	-28920	-28890	-29570	-29570	-30300	-30830	.40370	.35600
1.201	4.946	-29580	-29800	-29990	-29890	-30440	-30440	-31340	-31620	.41890	.36390
1.199	7.017	-30470	-30720	-30500	-30430	-31110	-31110	-30900	-31200	.43080	.36300
1.198	8.065	-30510	-31060	-31090	-31030	-31320	-31320	-31250	-32200	.43150	.36640
1.201	10.011	-30110	-29860	-30180	-30340	-30980	-30980	-31900	-31920	.44010	.37270
1.201	11.969	-30130	-30540	-30170	-30360	-31280	-31280	-31340	-32200	.44390	.37220
1.198	14.954	-31850	-32040	-31990	-31210	-32360	-32360	-33000	-33520	.44270	.36600
	GRADIENT	.00181	.00211	.00228	.00216	.00367	.00367	.00442	.00373	.00638	.00219

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OAI45 TABULATED FORCE DATA

PAGE 1808

AMES 118-1-11 OAI45A 01

(E2F070) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

RUN NO. 600/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.404	-5.046	-27470	-27710	-27600	-27660	-28200	-28200	-28500	-29010	.40080	.42820
1.405	-.022	-27850	-27870	-27780	-27700	-28040	-28040	-28460	-28620	.44660	.43780
1.401	2.505	-28540	-28500	-28500	-28790	-29240	-29240	-29490	-30140	.45800	.44140
1.401	5.096	-29270	-29330	-29520	-29420	-29840	-29840	-29570	-30400	.48320	.44570
1.399	7.119	-30570	-30570	-30570	-30540	-30710	-30710	-30910	-31340	.49510	.45090
1.401	8.153	-30630	-30600	-30760	-30760	-30890	-30890	-31120	-31420	.49140	.46060
1.399	10.183	-31140	-31150	-31220	-31260	-31200	-31200	-31320	-31800	.49620	.45890
1.401	12.206	-31770	-31950	-31910	-31910	-31420	-31420	-31630	-32040	.50220	.45250
1.399	15.225	-32580	-32730	-32650	-32730	-31320	-31320	-31550	-31910	.50470	.45210
GRADIENT		-00273	-00249	-00285	-00431	-00475	-00475	-00408	-00601	.00451	.00142

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000
RN/L = 5.000

AMES 118-1-11 OAI45A 01

(E2F071) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

RUN NO. 882/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.597	-5.251	-21050	-07510	-01150
.597	-.269	-19820	.03720	.10920
.597	2.315	-21070	.07560	.15180
.596	4.945	-22430	.10250	.18650
.598	8.077	-24530	.12240	.20300
.597	10.089	-25880	.12870	.20540
.595	12.104	-27460	.12600	.20610
.597	15.112	-31830	.09650	.19140
.597	17.040	-34090	.07760	.17920
.595	19.019	-38710	.04070	.14600
GRADIENT		-00501	.01252	.01482

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = .000
RN/L = 5.000

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OAI145 TABULATED FORCE DATA

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(E2F071) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 5.000

RUN NO. 883/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.800	-5.269	-.23740	-.01320	.05070
.800	-.254	-.22700	.08180	.15270
.800	2.307	-.23690	.11720	.19090
.798	4.928	-.24940	.14000	.21870
.800	8.056	-.28610	.16680	.23770
.802	10.090	-.29120	.18010	.25500
.797	12.103	-.34220	.17770	.24920
.794	15.117	-.40340	.15310	.23860
.800	17.088	-.43630	.14220	.23460
.798	19.033	-.46160	.11540	.21520
	GRADIENT	-.00432	.01122	.01273

RUN NO. 884/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.900	-5.277	-.31410	.04620	.11430
.900	-.267	-.30890	.12770	.19810
.902	2.326	-.31170	.16560	.23520
.901	4.934	-.32260	.19420	.26280
.899	8.069	-.34440	.21530	.28270
.901	10.114	-.35390	.22510	.29370
.900	12.150	-.39130	.22400	.28980
.901	15.130	-.43670	.21210	.28860
.901	17.119	-.46670	.20050	.28250
.903	19.079	-.47340	.17970	.27240
	GRADIENT	-.00264	.01278	.01244

RUN NO. 885/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.950	-5.254	-.37790	.09910	.16610
.948	-.303	-.34820	.16930	.23810
.951	2.290	-.36470	.20350	.26850
.952	4.944	-.33140	.22680	.29260
.952	8.092	-.35640	.24820	.31530
.952	10.143	-.38430	.25370	.32150
.950	12.153	-.39930	.25740	.32320
.950	15.165	-.44710	.25010	.31820
.951	17.120	-.45800	.23370	.31740
.950	19.066	-.46140	.22280	.30670
	GRADIENT	.00324	.01095	.01038

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OAI45 TABULATED FORCE DATA

PAGE 1810

AMES 118-1-11 OAI45A 01

(E2F072) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

ALPHA =
 AILRON =
 SPDBRK =
 RN/L =

ELEVON = .000
 BOFLAP = .000
 RUDDER = .000
 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 645/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.599	-6.190	-1.19910	-2.0120	-2.0030	-2.0150	-2.0900	-2.0900	-2.1250	-2.1580	.20470	-.05440
.598	-2.097	-1.19600	-1.19550	-1.19520	-1.19620	-2.0870	-2.0870	-2.0610	-2.1180	.12300	.02170
.597	-1.053	-1.19580	-1.19580	-1.19390	-1.19750	-2.0110	-2.0110	-2.0820	-2.0680	.10380	.04780
.597	.019	-1.19450	-1.19330	-1.19210	-1.19310	-2.0330	-2.0330	-2.0520	-2.0500	.08310	.06570
.597	.537	-1.19290	-1.19650	-1.19480	-1.19550	-2.0510	-2.0510	-2.0600	-2.0600	.07370	.07520
.597	1.056	-1.19550	-1.19670	-1.19770	-1.19530	-2.0720	-2.0720	-2.0760	-2.1050	.06150	.08420
.597	2.113	-1.19510	-1.19930	-1.19600	-2.0100	-2.0670	-2.0670	-2.0430	-2.0860	.04090	.10600
.597	3.153	-2.0180	-1.19890	-2.0030	-2.0590	-2.0410	-2.0410	-2.0700	-2.2070	.02200	.12970
.597	4.186	-2.0660	-2.0690	-2.0640	-2.0590	-2.0950	-2.0950	-2.1110	-2.1260	.00270	.14390
.597	6.244	-2.0910	-2.0740	-2.0810	-2.01070	-2.0720	-2.0720	-2.0670	-2.1000	-.03430	.19110
.597	GRADIENT	-.00157	-.00159	-.00173	-.00145	-.00041	-.00041	-.00041	-.00026	-.01932	.01945

RUN NO. 633/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.900	-6.258	-2.2610	-2.2620	-2.2550	-2.2760	-2.2640	-2.2640	-2.26910	-2.27960	.30830	.02850
.902	-2.120	-2.3020	-2.2830	-2.2840	-2.2560	-2.27020	-2.27020	-2.27670	-2.29370	.22720	.11660
.900	-1.061	-2.3250	-2.3210	-2.3180	-2.3040	-2.2670	-2.2670	-2.27960	-2.29780	.20580	.13660
.900	.023	-2.4020	-2.3330	-2.3730	-2.3520	-2.28210	-2.28210	-2.29160	-2.29830	.18280	.15850
.900	.545	-2.4130	-2.4060	-2.3420	-2.3490	-2.27650	-2.27650	-2.29170	-2.29620	.17430	.17280
.899	1.069	-2.4190	-2.3950	-2.4300	-2.4570	-2.29350	-2.29350	-3.0150	-3.0700	.15980	.18030
.899	2.137	-2.5780	-2.29420	-2.4920	-2.4920	-3.0390	-3.0390	-3.1780	-3.1970	.13960	.20360
.899	3.189	-2.6800	-2.6110	-2.6110	-2.6570	-3.0680	-3.0680	-3.2740	-3.1820	.11850	.22650
.899	4.232	-2.5760	-2.6120	-2.6900	-2.7320	-3.1750	-3.1750	-3.1220	-3.3740	.09800	.24700
.897	6.311	-2.8520	-2.7740	-2.7860	-2.8380	-3.4450	-3.4450	-3.4970	-3.5300	.05740	.29100
.897	GRADIENT	-.00580	-.00599	-.00679	-.00757	-.00773	-.00773	-.00778	-.00666	-.02043	.02073

RUN NO. 626/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.949	-6.354	-2.6610	-2.5960	-2.6340	-2.25780	-3.0220	-3.0220	-3.1260	-3.2030	.34700	.06630
.954	-2.114	-2.6270	-2.5940	-2.5390	-2.5570	-3.4140	-3.4140	-3.5190	-3.6320	.27090	.15810
.951	-1.058	-2.7340	-2.7420	-2.7190	-2.7520	-3.5320	-3.5320	-3.6570	-3.7730	.24510	.17630
.950	.024	-2.7340	-2.7390	-2.7350	-2.6820	-3.5860	-3.5860	-3.7000	-3.8080	.22150	.19790
.950	.545	-2.7670	-2.7490	-2.7390	-2.7670	-3.6070	-3.6070	-3.7440	-3.8410	.21150	.20920
.951	1.067	-2.7400	-2.7460	-2.7480	-2.7750	-3.6350	-3.6350	-3.6930	-3.8310	.20060	.21980
.950	2.135	-2.8060	-2.7810	-2.7910	-2.7710	-3.6820	-3.6820	-3.7500	-3.8760	.17970	.24070
.950	3.186	-2.8410	-2.8440	-2.8290	-2.8480	-3.6750	-3.6750	-3.8030	-3.8460	.15770	.26520
.949	4.233	-2.9220	-2.8980	-2.8970	-2.9000	-3.7990	-3.7990	-3.8320	-3.9410	.13760	.28250
.946	6.317	-3.0630	-3.0180	-3.0510	-3.0560	-3.8370	-3.8370	-3.9070	-4.0070	.09830	.32720
.946	GRADIENT	-.00393	-.00390	-.00454	-.00454	-.00516	-.00516	-.00424	-.00379	-.02078	.02004

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0A145 TABULATED FORCE DATA

AMES 118-1-11 0A145A 01

PAGE 1811

(E2F07?) (08 JUL 77)

REFERENCE DATA

=	SREF	=	2690.0000	SQ.FT.	YMRP	=	1076.6800	IN. X0
=	LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. Y0
=	BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. Z0
=	SCALE	=	.0500					

ALPHA	=	.000	ELEVON	=	.000
AIRLON	=	.000	BOFLAP	=	.000
SPOBRK	=	.000	RUDDER	=	.000
RN/L	=	5.000			

PARAMETRIC DATA

RAIN NO.	614/ 0	RN/L =	5.06	GRADIENT INTERVAL =	-5.00/	5.00
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MACH	BETA	CP225	CP226	CP231	CP234	CP237	CP240	CP246	CP12	CP13	CP13
1.203	-6.264	-29680	-29870	-30010	-29880	-30860	-30860	-31930	-	-	26330
1.206	-2.118	-28390	-28490	-28390	-28360	-29060	-29060	-29720	-	-	31580
1.203	-1.060	-28310	-28680	-28510	-28440	-28320	-28320	-29330	-	-	33540
1.203	.023	-28870	-28680	-28820	-28810	-28650	-28650	-29710	-	-	35520
1.202	.543	-28920	-28860	-28910	-28940	-28910	-28910	-29850	-	-	36350
1.202	1.066	-28800	-28920	-28850	-28870	-28720	-29220	-29700	-	-	37500
1.203	2.133	-28820	-28810	-28790	-28730	-28320	-28320	-29690	-	-	39730
1.203	3.186	-29230	-29290	-28930	-29050	-28690	-28690	-29210	-	-	41650
1.203	4.234	-29270	-29260	-29100	-29260	-28920	-28920	-29100	-	-	43660
1.203	6.321	-30370	-30340	-29980	-30270	-28510	-28510	-28630	-	-	47700
1.198	GRADIENT	-00116	-00123	-00080	-00126	-00042	-00042	-00096	-	-	01914
									-	-	01715

AMES 118-1-11 0A145A 01

(E2F073) (08 JUL 77)

REFERENCE DATA

XSREF	=	2690.0000	SO.FT.	YMRP	=	1076.6800	IN.	XO
LRREF	=	474.8100	INCHES	YMRP	=	.0000	IN.	YO
BRREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN.	ZO
SCALE	=	.0500						

ALPHA	=	5.000	ELEVON	=	.000
AILRON	=	.000	BOFLAP	=	.000
SPOBRK	=	.000	RUDDER	=	.000
RN/L	=	5.000			

PARAMETRIC DATA

POINT NO	646/ 0	RN/I	= 4.98	GRADIENT	INTERVAL	= -5.00/ 5.00
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MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.597	-6.049	-20690	-20930	-20380	-20880	-22790	-22790	-24550	-25790	30170	-
.597	-1.927	-19620	-19910	-19910	-19790	-22910	-22910	-24130	-25620	20620	.08300
.598	-879	-19680	-19720	-19610	-19610	-22670	-22670	-23640	-17980	11010	.08300
.598	.026	-19510	-19480	-19410	-19340	-22660	-22660	-23890	-25630	15480	.13090
.598	.503	-19540	-19510	-19480	-19410	-22660	-23100	-24160	-25730	14600	.14100
.598	1.024	-19210	-19850	-19680	-19420	-22420	-22420	-23970	-25630	13270	.15870
.598	2.095	-19710	-19970	-20110	-19800	-22870	-22870	-24070	-26210	10740	.18380
.598	3.143	-20400	-20190	-20350	-20300	-23140	-23140	-24200	-26010	08030	.20740
.598	4.177	-20570	-20450	-21020	-20360	-23380	-23380	-24670	-26280	06080	.23010
.598	6.236	-21310	-21070	-21100	-20880	-23550	-23550	-24540	-26430	00980	.28190
GRADIENT		-20164	-20115	-20200	-20130	-20087	-20087	-20097	-20113	-02400	.02427

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(E2F073) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPOBRK = .000 RUDDER = .000
 RN/L = 5.000

RUN NO. 660/ 0		RN/L = 4.97		GRADIENT INTERVAL = -5.00/ 5.00							
MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.799	-6.105	-21200	-21080	-20950	-21270	-25030	-25030	-26020	-27140	.34640	.01310
.801	-1.953	-20460	-20290	-20010	-20210	-24730	-24730	-26000	-27320	.24840	.11530
.799	-.912	-20330	-20550	-20340	-20210	-24890	-24890	-26270	-26870	.22090	.14090
.800	.038	-20600	-20300	-20390	-20580	-24790	-24790	-26180	-27150	.19600	.16480
.799	.664	-19800	-19970	-19890	-20380	-24660	-24660	-26320	-27370	.18670	.18370
.799	1.166	-20880	-20960	-20880	-21410	-25200	-25200	-26640	-28040	.17330	.19340
.799	2.204	-21160	-21050	-20900	-20830	-25210	-25210	-26090	-28260	.14410	.22150
.799	3.246	-20900	-21880	-21510	-21240	-25410	-25410	-26870	-27860	.12060	.24730
.799	4.286	-21840	-21560	-21820	-21770	-26000	-26000	-27480	-28550	.09790	.26900
.797	6.353	-22080	-22710	-22630	-21930	-26560	-26560	-27540	-28680	.04340	.32180
	GRADIENT	-00214	-00260	-00295	-00245	-00187	-00187	-00192	-00236	-.02415	-.02498

RUN NO. 634/ 0		RN/L = 4.98		GRADIENT INTERVAL = -5.00/ 5.00							
MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.899	-6.153	-22380	-22700	-22560	-22300	-29600	-29600	-30220	-31490	.38960	.05180
.902	-2.033	-22510	-21450	-21280	-21830	-30990	-30990	-31710	-33070	.30160	.15900
.900	-	-23050	-22670	-22520	-23370	-32180	-32180	-32610	-33930	.27180	.18200
.900	.096	-23550	-23050	-23210	-23290	-32750	-32750	-34120	-34930	.24340	.20760
.899	.580	-22860	-22510	-23240	-23560	-32810	-32810	-33710	-34200	.22980	.21900
.900	1.102	-23940	-23330	-23590	-23590	-32120	-32120	-33700	-33800	.21940	.23470
.899	2.146	-24170	-23950	-24170	-24210	-32250	-32250	-32030	-33140	.19410	.25970
.899	3.184	-24450	-23740	-24000	-24100	-31830	-31830	-33360	-34460	.16940	.28880
.899	4.225	-25690	-24290	-24810	-24810	-32660	-32660	-33900	-33660	.14900	.31190
.896	6.313	-26720	-26740	-26220	-27010	-33620	-33620	-35460	-34790	.09820	.36550
	GRADIENT	-00456	-00404	-00496	-00386	-00120	-00120	-00195	-00032	-.02434	-.02487

RUN NO. 627/ 0		RN/L = 5.01		GRADIENT INTERVAL = -5.00/ 5.00							
MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.951	-6.176	-25400	-25630	-25160	-25660	-32480	-32480	-34720	-34670	.42450	.08980
.951	-2.041	-24480	-24460	-24340	-24000	-32280	-32280	-32890	-34010	.33170	.18880
.951	.992	-24770	-25000	-24440	-24750	-32890	-32890	-34160	-35210	.30590	.21520
.950	.069	-25810	-25810	-25810	-25580	-33720	-33720	-35210	-36140	.27890	.24040
.950	.564	-25420	-24890	-24790	-25470	-33420	-33420	-35340	-35640	.26570	.25370
.950	1.097	-25330	-24950	-25000	-24930	-33570	-33570	-34710	-35580	.25360	.26640
.950	2.146	-25030	-25200	-25460	-24680	-33820	-33820	-34720	-35880	.22670	.29310
.951	3.184	-25380	-25410	-25590	-25310	-33820	-33820	-35050	-36300	.20940	.32220
.950	4.226	-26990	-27000	-26890	-25590	-34720	-34720	-35960	-36530	.18660	.34600
.947	6.315	-29160	-28940	-28600	-28480	-37260	-37260	-38070	-38870	.13210	.39650
	GRADIENT	-00270	-00274	-00335	-00162	-00317	-00317	-00347	-00323	-.02319	-.02526

REFERENCE DATA

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 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPOBRK = .000 RUDDER = .000
 RN/L = 5.000

RUN NO. 621/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.102	-6.064	-33630	-33380	-33260	-33590	-34930	-34930	-35780	-36470	.53790	.22270
1.101	-1.961	-31900	-32150	-32020	-31930	-34680	-34680	-35370	-35950	.44570	.30820
1.101	-.920	-31660	-31750	-31630	-31630	-34470	-34470	-35200	-36010	.42080	.33400
1.100	.152	-32170	-32110	-31920	-32110	-34330	-34330	-35390	-35700	.39660	.36040
1.101	.649	-31800	-32190	-31800	-31630	-33290	-33290	-34260	-35290	.38760	.37640
1.101	1.167	-31740	-31680	-31500	-31600	-33290	-33290	-33730	-33940	.37420	.38320
1.102	2.215	-31550	-31520	-31790	-31620	-32560	-32560	-33440	-33960	.36040	.41520
1.100	3.260	-32340	-32210	-32490	-32280	-33430	-33430	-33790	-34250	.33200	.43700
1.099	4.295	-32940	-33270	-33280	-33070	-33610	-33610	-34590	-34980	.31470	.46360
1.100	6.360	-33850	-33820	-33640	-34030	-34590	-34590	-35050	-36000	.26940	.51850
	GRADIENT	- .00135	- .00124	- .00174	- .00150	.00232	.00232	.00238	.00282	-.02077	.02485

RUN NO. 613/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.203	-6.173	-30900	-30660	-30950	-30680	-31210	-31210	-30970	-31520	.55090	.26500
1.204	-2.065	-29900	-30060	-30040	-29860	-30520	-30520	-30560	-31250	.46370	.31650
1.200	-1.017	-30130	-30290	-30390	-30290	-31010	-31010	-31290	-32210	.44030	.33560
1.203	.041	-29840	-29940	-30050	-30300	-30830	-30830	-30980	-31970	.42170	.36370
1.202	.553	-30020	-30100	-29970	-29940	-31150	-31150	-31460	-32010	.41040	.37420
1.204	1.083	-30000	-29870	-29820	-29950	-31000	-31000	-31340	-32130	.40140	.38890
1.202	2.123	-30210	-30180	-30080	-30090	-31010	-31010	-31470	-31910	.41430	.41430
1.204	3.166	-29930	-29750	-29960	-30200	-30840	-30840	-31210	-31710	.36490	.43970
1.201	4.215	-30530	-30630	-30530	-30310	-30720	-30720	-31630	-32500	.34290	.46650
1.200	6.312	-31260	-30960	-31050	-31250	-31330	-31330	-32030	-32100	.31040	.51760
	GRADIENT	- .00064	- .00029	- .00024	- .00036	- .00010	- .00010	- .00116	- .00090	-.01881	.02424

RUN NO. 604/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.403	-6.103	-29010	-28920	-28840	-28840	-29450	-29450	-29590	-29910	.58110	.35690
1.404	-1.978	-29530	-29480	-29440	-29480	-29870	-29870	-30260	-30450	.49630	.42410
1.403	-.932	-29320	-29350	-29350	-29440	-29640	-29640	-30050	-30360	.49190	.43620
1.405	.145	-29190	-29170	-29260	-29260	-29530	-29530	-29820	-30200	.48180	.44780
1.404	.638	-29300	-29420	-29300	-29300	-29690	-29690	-29970	-30240	.47060	.45070
1.404	1.161	-29300	-29420	-29230	-29300	-29580	-29580	-29950	-30130	.47750	.45390
1.402	2.220	-29380	-29360	-29370	-29270	-29720	-29720	-29910	-30410	.46700	.46310
1.404	3.275	-29120	-29040	-28990	-29000	-29260	-29260	-29490	-29900	.44870	.48340
1.402	4.319	-29000	-29100	-29130	-29170	-29510	-29510	-29780	-30060	.41990	.50210
1.402	6.398	-28680	-28690	-28600	-28750	-28700	-28700	-29050	-29360	.34720	.54890
1.400	GRADIENT	- .00051	- .00055	- .00053	- .00061	- .00057	- .00057	- .00083	- .00064	-.01118	.01173

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OAI145 TABULATED FORCE DATA

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(E2F074) (08 JUL 77)

REFERENCE DATA

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 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

ALPHA =
 AILRON =
 SPDBRK =
 RN/L =

10.000 ELEVON = .000
 .000 BDFLAP = .000
 .000 RUDDER = .000
 5.000

PARAMETRIC DATA

RUN NO. 647/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.600	-6.060	-21350	-20730	-20800	-21250	-25810	-25810	-28950	-32130	35520	-.02250
.600	-1.994	-19310	-19660	-19590	-19640	-25960	-25960	-28700	-31330	24250	-.09180
.599	-.971	-20370	-20130	-19700	-19330	-26070	-26070	-28560	-31300	21400	-.12200
.600	.062	-19880	-19690	-19930	-20000	-26220	-26220	-28330	-31590	18570	-.15050
.600	.559	-19750	-19800	-19820	-19440	-25710	-25710	-29080	-31240	17440	-.16760
.600	1.061	-19670	-19670	-19760	-19530	-25700	-25700	-28020	-31050	16340	-.18250
.600	2.095	-20340	-19680	-20340	-19890	-25770	-25770	-28440	-31230	13470	-.21350
.600	3.126	-20520	-20680	-19720	-20710	-26450	-26450	-28850	-32040	10210	-.23950
.599	4.167	-20910	-21670	-20770	-20430	-26430	-26430	-29470	-31990	.073	-.26680
.599	6.235	-20990	-21480	-21060	-20890	-26900	-26900	-29270	-32080	.00910	-.32440
	GRADIENT	-.00198	-.00252	-.00141	-.00185	-.00066	-.00066	-.00098	-.00112	-.02728	-.02864

RUN NO. 635/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.899	-6.125	-24530	-24720	-24530	-24130	-32190	-32190	-32670	-33100	44640	.04590
.900	-2.024	-24200	-24680	-24030	-24110	-33040	-33040	-33900	-34440	33310	.17630
.900	-.990	-25090	-25370	-25050	-24570	-33740	-33740	-35200	-34720	30540	-.20580
.898	.055	-25070	-25340	-25500	-24650	-33770	-33770	-34710	-35660	27840	-.23550
.900	.558	-24540	-24400	-24990	-25210	-34200	-34200	-34580	-34920	26540	-.24970
.899	1.067	-25310	-24970	-25470	-24760	-33550	-33550	-34830	-34670	25600	-.26760
.899	2.119	-25030	-25210	-25430	-25550	-34370	-34370	-35180	-36400	22570	-.29560
.899	3.162	-25790	-25720	-25310	-25340	-36050	-36050	-36010	-36650	19340	-.32100
.898	4.220	-26100	-26030	-25820	-26450	-35740	-35740	-36170	-36940	16760	-.35240
.898	6.306	-26510	-26640	-26410	-26220	-35710	-35710	-37670	-38170	11190	-.41520
	GRADIENT	-.00251	-.00172	-.00202	-.00321	-.00456	-.00456	-.00312	-.00424	-.02657	-.02814

RUN NO. 628/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.951	-6.159	-25490	-25880	-25640	-25220	-34310	-34310	-35120	-35020	48050	.07920
.951	-2.045	-25760	-25510	-25300	-24820	-34860	-34860	-35770	-36670	36700	-.20680
.949	-1.005	-26340	-26160	-25790	-25960	-36570	-36570	-36830	-37520	33660	-.23220
.950	.046	-25860	-25910	-25270	-26030	-36350	-36350	-36890	-37720	31180	-.26550
.950	.553	-26150	-26500	-26620	-26620	-36640	-36640	-37200	-37690	29750	-.27870
.951	1.066	-25350	-25730	-26040	-25880	-36320	-36320	-36250	-37240	28570	-.29540
.949	2.120	-26200	-26560	-26580	-26740	-35810	-35810	-36600	-37110	25830	-.32670
.950	3.169	-25510	-25740	-25530	-25530	-35850	-35850	-37200	-37730	22960	-.35490
.950	4.229	-26870	-25790	-26300	-26920	-36030	-36030	-37920	-38720	20420	-.38460
.947	6.318	-27280	-27080	-26910	-26300	-36520	-36520	-38450	-39270	14530	-.44130
	GRADIENT	-.00066	-.00013	-.00104	-.00199	-.00042	-.00042	-.00228	-.00200	-.02583	-.02874

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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(E2F074) (08 JUL 77)

REFERENCE DATA

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 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

ALPHA =
 AILRON =
 SPOBRK =
 RN/L =

PARAMETRIC DATA

10.000 ELEVON = .000
 .000 BDFLAP = .000
 .000 RUDDER = .000
 5.000

RUN NO. 615/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.201	-6.128	-31350	-31280	-31230	-31340	-32470	-32470	-32580	-33080	-59100	-26180
1.206	-2.044	-29730	-30230	-29950	-29820	-30480	-30480	-31070	-31250	-48970	-31950
1.202	-1.005	-30090	-30160	-30180	-30180	-30850	-30850	-31360	-31610	-46390	-34310
1.202	.046	-30240	-30250	-30170	-30280	-31020	-31020	-31690	-32280	-43980	-37280
1.201	.545	-30100	-29890	-29920	-30440	-31230	-31230	-31690	-32110	-42700	-38480
1.201	1.069	-30370	-30430	-30370	-30570	-30830	-30830	-31610	-32120	-41570	-40230
1.202	2.127	-30670	-30980	-30690	-31010	-31510	-31510	-32510	-32880	-39000	-43070
1.199	3.177	-31220	-31340	-31150	-31340	-32120	-32120	-32560	-33140	-36790	-45750
1.200	4.242	-31260	-31110	-30780	-31330	-31840	-31840	-32180	-32730	-35020	-48870
1.201	6.326	-31930	-31390	-31580	-31480	-31870	-31870	-32440	-33260	-31950	-54560
1.200	GRADIENT	-00253	-00205	-00176	-00260	-00241	-00241	-00224	-00277	-02250	-02715

RUN NO. 605/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.397	-6.178	-30400	-30570	-30470	-30670	-30220	-30220	-30510	-30480	-61950	-35490
1.406	-2.051	-30710	-30670	-30750	-30760	-30620	-30620	-30830	-31100	-52950	-43360
1.405	-1.009	-30630	-30710	-30790	-30790	-30770	-30770	-30900	-31220	-50870	-44600
1.405	.047	-31000	-30820	-30920	-30950	-30790	-30790	-31140	-31480	-49620	-45980
1.405	.557	-30820	-30840	-30840	-30900	-30970	-30970	-31100	-31340	-49220	-46330
1.403	1.074	-31070	-31140	-31060	-30980	-30950	-30950	-31150	-31720	-48600	-46660
1.402	2.139	-30680	-30750	-30550	-30800	-30890	-30890	-31330	-31620	-46490	-47560
1.402	3.195	-30670	-30590	-30710	-30690	-30850	-30850	-30950	-31460	-45510	-48880
1.401	4.261	-30370	-30220	-30300	-30370	-30500	-30500	-30750	-31230	-43490	-50970
1.401	6.361	-30430	-30450	-30280	-30310	-30060	-30060	-30280	-30710	-38500	-56180
1.401	GRADIENT	-00044	-00059	-00065	-00054	-00007	-00007	-00000	-00035	-01438	-01119

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(E2F075) (08 JUL 77)

REFERENCE DATA

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 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPDRBK = .000
 RN/L = 5.000

RUN NO. 648/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.600	-14.960	-21010	-20680	-20940	-21080	-21510	-21510	-21400	-22100	.08150	.05590
.600	-10.718	-20410	-20510	-20180	-20200	-20860	-20860	-21350	-21630	.08160	.06720
.600	-4.969	-18980	-19360	-19690	-19380	-20160	-20160	-20490	-20610	.08660	.06900
.600	-2.426	-19080	-19530	-19570	-19290	-20090	-20090	-20350	-21170	.08640	.07000
.600	.089	-19420	-19630	-19610	-19700	-20330	-20330	-21080	-21130	.08190	.06780
.600	2.505	-20060	-19730	-19990	-19710	-20530	-20530	-20840	-21240	.08060	.06450
.600	5.014	-19640	-19610	-19900	-19710	-20530	-20530	-20390	-20650	.08550	.06670
.600	10.019	-19990	-20250	-20300	-20160	-20590	-20590	-21060	-21040	.08540	.06780
.600	14.996	-20490	-21030	-21000	-20860	-21000	-21000	-21050	-21300	.08540	.06810
.600	18.125	-21070	-21260	-21260	-21030	-21470	-21470	-21400	-21910	.08650	.06660
.600	22.799	-21810	-21970	-22040	-21740	-21640	-21640	-22200	-22270	.08610	.06910
.600	GRADIENT	-200145	-200049	-200038	-200058	-200090	-200050	-200070	-200075	-200090	-200063

RUN NO. 636/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.901	-14.993	-25290	-24700	-24700	-25180	-29320	-29320	-29370	-30200	.18280	.15950
.902	-10.762	-24360	-23900	-23690	-23840	-28860	-28860	-29460	-30260	.18260	.16000
.900	-4.939	-23190	-23900	-23930	-24470	-28580	-28580	-29400	-29710	.18100	.15810
.899	-2.442	-24280	-23690	-23320	-23560	-29000	-29000	-29390	-30810	.17850	.15590
.900	.089	-23890	-23840	-23780	-23780	-28730	-28730	-29460	-29150	.18210	.15710
.900	2.522	-23950	-23910	-23720	-23840	-28640	-28640	-29430	-30140	.18190	.15710
.900	5.024	-24170	-24190	-23340	-23860	-28560	-28560	-29340	-30110	.17930	.15690
.901	10.011	-23970	-24470	-24160	-24420	-28300	-28300	-29710	-29980	.18100	.15890
.899	14.996	-25140	-24860	-24860	-24800	-29350	-29350	-29440	-30880	.17730	.15490
.900	18.116	-25410	-25450	-23820	-24720	-29030	-29030	-29800	-30420	.17970	.15660
.900	22.818	-25020	-25160	-25470	-25680	-28140	-28140	-29590	-30710	.18370	.15940
.900	GRADIENT	-200077	-200007	-200007	-200067	-200004	-200004	-200006	-200012	-200025	-200007

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

PAGE 1817

AMES 118-1-11 OAI45A 01

(E2F075) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
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 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 BETA = .000
 ELEVON = .000 AILRON = .000
 BOFLAP = .000 SPDRK = .000
 RN/L = 5.000

RUN NO. 629/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.952	-14.993	-28330	-28460	-28310	-28590	-36380	-36380	-36660	-38190	.22230	.19830
.951	-10.745	-27200	-27550	-28020	-27650	-35550	-35550	-36880	-37990	.22460	.19940
.953	-4.954	-26960	-27060	-26910	-27670	-35240	-35240	-36320	-37490	.22320	.19970
.953	-2.434	-26940	-26680	-26870	-27040	-35420	-35420	-36250	-37250	.22360	.19930
.951	-1.116	-27500	-27430	-27200	-27250	-35690	-35690	-36750	-37640	.22090	.19700
.952	2.505	-27370	-27180	-27250	-26870	-35760	-35760	-36560	-37450	.22230	.19740
.952	5.024	-27230	-26730	-27060	-26930	-35730	-35730	-36610	-37580	.22250	.19690
.951	10.011	-27890	-27860	-27770	-27840	-36200	-36200	-37230	-37970	.22070	.19530
.951	15.022	-28710	-28580	-28640	-28810	-36410	-36410	-37410	-38590	.22020	.19610
.950	18.107	-28880	-28750	-28610	-29060	-36570	-36570	-37590	-38730	.22160	.19700
.951	22.827	-29120	-28970	-29400	-29910	-36800	-36800	-37440	-38460	.22080	.19590
	GRADIENT	-0.0071	-0.0043	-0.0054	0.0090	-0.0074	-0.0074	-0.0048	-0.0010	-0.0021	-0.0037

RUN NO. 616/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.202	-14.970	-29880	-30030	-30190	-30030	-29830	-29830	-30300	-30600	.38620	.35390
1.204	-10.718	-29290	-29310	-29250	-29260	-29280	-29280	-29600	-30010	.38810	.35450
1.203	-4.924	-28870	-28970	-29100	-29110	-28910	-28910	-29580	-29930	.38850	.35540
1.204	-2.451	-28510	-28620	-28590	-28580	-28580	-28580	-29010	-29570	.38920	.35660
1.204	-1.103	-28630	-28700	-28500	-28650	-28600	-28600	-29110	-29780	.38830	.35550
1.203	2.531	-28830	-28830	-28770	-28840	-28790	-28790	-29380	-30000	.38740	.35440
1.203	5.014	-28890	-28850	-28890	-28880	-28970	-28970	-29230	-29840	.38620	.35410
1.204	10.019	-29480	-29490	-29280	-29460	-29290	-29290	-29660	-30230	.38850	.35600
1.203	15.005	-30030	-30140	-30120	-30070	-29700	-29700	-30340	-30790	.38650	.35450
1.203	18.098	-30300	-30330	-30380	-30440	-30070	-30070	-30530	-30910	.38690	.35390
1.202	22.827	-30640	-30720	-30850	-30890	-30210	-30210	-30490	-30980	.38660	.35360
	GRADIENT	-0.0000	0.0013	0.0047	0.0029	0.0013	0.0013	0.0019	-0.0017	-0.0017	-0.0017

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(E2F076) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA =
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BOFLAP =
RN/L =

5.000 BETA =
.000 ATILRON =
.000 SPOBRK =
5.000

RUN NO. 649/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.600	-15.010	-20940	-20540	-20680	-20370	-23300	-23300	-24350	-25990	-15440	-13300
.600	-10.754	-20290	-19990	-19840	-19890	-23160	-23160	-23890	-25870	-15550	-13210
.600	-4.932	-19380	-19610	-19310	-19400	-22960	-22960	-24010	-25510	-15340	-13000
.600	-2.434	-19850	-19440	-19520	-19680	-22670	-22670	-24060	-25600	-15570	-13160
.600	-1.103	-19860	-19130	-19770	-19880	-23050	-23050	-23990	-25320	-15410	-12890
.600	2.513	-19450	-19780	-19870	-19520	-22640	-22640	-23690	-25490	-15540	-13190
.600	4.996	-20040	-19870	-19710	-19820	-22560	-22560	-23960	-25430	-15490	-13240
.600	10.003	-19960	-19940	-19780	-20040	-22960	-22960	-24150	-25500	-15460	-13090
.600	15.014	-20790	-20510	-20940	-20910	-22750	-22750	-24510	-25540	-15450	-13420
.600	18.125	-20980	-21150	-20960	-20740	-23270	-23270	-24270	-25800	-15560	-13270
.600	22.827	-21720	-21670	-21620	-21430	-23790	-23790	-25000	-26130	-15550	-13090
	GRADIENT	-2.0037	-2.0036	-2.0046	-2.0027	-2.0034	-2.0034	-2.0019	-2.0011	-2.0011	-2.0021

RUN NO. 661/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.800	-14.965	-21830	-21380	-21510	-21810	-25610	-25610	-26200	-28190	-19830	-16550
.800	-10.736	-20930	-21060	-21250	-21150	-24940	-24940	-26320	-27910	-19680	-16760
.800	-4.902	-20540	-20450	-20350	-21050	-24800	-24800	-26150	-27630	-19830	-16670
.800	-2.451	-20430	-20580	-20940	-20340	-24460	-24460	-26290	-27080	-19770	-16800
.800	-1.123	-20630	-20070	-20010	-20670	-24700	-24700	-26010	-27510	-19670	-16650
.800	2.488	-20620	-20470	-20470	-20710	-24860	-24860	-25460	-27500	-19510	-16530
.800	5.014	-20550	-20700	-20750	-20510	-24500	-24500	-26310	-27660	-19720	-16820
.800	10.003	-21520	-20780	-21180	-21180	-25180	-25180	-25890	-27350	-19510	-16510
.800	15.014	-21520	-21990	-21520	-21250	-25510	-25510	-26300	-27570	-19580	-16460
.800	18.107	-22060	-21570	-21440	-21120	-25080	-25080	-26090	-27670	-19900	-16770
.800	22.827	-22110	-22220	-22040	-22260	-25600	-25600	-26530	-27710	-19860	-16630
	GRADIENT	-2.0018	-2.0017	-2.0021	-2.0028	-2.0017	-2.0017	-2.0097	-2.0001	-2.00043	-2.00023

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AMES 118-1-11 OAI145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
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 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPDRBK = .000
 RN/L = 5.000

RUN NO. 637/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.900	-14.976	-24800	-24580	-24470	-24560	-33910	-33910	-34490	-35370	-24240	-20640
.900	-10.736	-23230	-23310	-23330	-23250	-31780	-31780	-34340	-34360	-24710	-21260
.902	-4.954	-23230	-23260	-23330	-22750	-32390	-32390	-33800	-34340	-24680	-21130
.900	-2.426	-23380	-22640	-22360	-22920	-32640	-32640	-33620	-34590	-24460	-20950
.900	-1.103	-23280	-23570	-22600	-22770	-31940	-31940	-34040	-34440	-24520	-21110
.900	2.513	-22940	-22730	-22600	-23180	-32540	-32540	-33100	-34910	-24410	-21060
.900	5.005	-23310	-23290	-23570	-23290	-32480	-32480	-34560	-34650	-24410	-20930
.900	10.019	-23850	-23860	-24000	-23920	-32810	-32810	-34380	-35300	-24340	-20840
.900	15.022	-24510	-24190	-24320	-23960	-32840	-32840	-34270	-35320	-24250	-20850
.900	18.107	-24740	-24550	-24160	-24340	-32810	-32810	-34030	-35520	-24280	-20870
.900	22.808	-25350	-25160	-25610	-25400	-33060	-33060	-34240	-35440	-24340	-20930
.900	GRADIENT	.00040	.00030	.00079	.00047	.00008	.00008	.00070	.00064	.00031	.00002

RUN NO. 630/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.951	-14.985	-26370	-25720	-25870	-25770	-34690	-34690	-35720	-36110	-27980	-24210
.951	-10.736	-25620	-25440	-25510	-25270	-34050	-34050	-35730	-35830	-28030	-24300
.952	-4.961	-25170	-25320	-24630	-24970	-33620	-33620	-33930	-35020	-28210	-24420
.952	-2.442	-25560	-25240	-25270	-24880	-33470	-33470	-34550	-35450	-28020	-24270
.949	-1.110	-25550	-26230	-25480	-25610	-33630	-33630	-35230	-36360	-27640	-24080
.950	2.488	-25200	-25660	-25160	-25160	-33380	-33380	-35340	-35940	-27890	-24230
.951	5.014	-25240	-25400	-25720	-25700	-33270	-33270	-35220	-35450	-28130	-24430
.951	10.011	-25570	-25010	-25370	-25140	-33970	-33970	-35180	-35480	-27900	-24200
.951	15.005	-26000	-26200	-26490	-26340	-34400	-34400	-35050	-35890	-27970	-24200
.950	18.107	-26430	-26910	-26910	-26950	-33950	-33950	-35760	-36140	-28080	-24380
.951	22.827	-27060	-27370	-27170	-27550	-34620	-34620	-36010	-36950	-27920	-24170
.951	GRADIENT	.00003	.00079	.00072	.00051	.00023	.00023	.00198	.00147	.00053	.00030

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AMES 118-1-11 0A145A 01

(E2F076) (08 JUL 77)

REFERENCE DATA

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BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = .000
RN/L = 5.000

RUN NO. 620/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUEER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.100	-14.993	-33310	-33530	-33870	-33590	-35460	-35460	-36010	-36520	39600	35610
1.103	-10.771	-32460	-32700	-32190	-32430	-34760	-34760	-35210	-35640	40090	35860
1.101	-4.947	-32210	-32130	-32340	-32220	-34410	-34410	-35090	-35850	39600	35730
1.102	-2.434	-31620	-31620	-31560	-31650	-33610	-33610	-34650	-35260	40270	36260
1.103	-1.103	-31580	-31510	-31550	-31750	-33640	-33640	-34410	-35030	40020	36130
1.101	2.513	-31840	-31810	-31720	-31540	-33930	-33930	-34870	-35500	39850	35900
1.103	5.014	-31580	-31740	-31800	-31880	-33680	-33680	-34690	-34880	40230	36140
1.101	10.019	-33040	-32890	-32740	-32530	-34740	-34740	-35470	-36070	39760	35770
1.102	15.014	-33040	-33170	-33170	-33230	-34920	-34920	-35560	-35970	39750	35910
1.102	18.116	-33840	-33690	-33890	-33870	-35160	-35160	-35840	-36360	40100	35960
1.103	22.836	-33970	-34310	-34300	-34240	-35240	-35240	-36000	-36310	40150	36100
	GRADIENT	.00032	.00043	.00075	.00079	.00057	.00057	.00035	.00051	.00020	.00015

RUN NO. 617/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUEER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.203	-14.976	-30960	-31050	-31350	-31280	-31960	-31960	-32490	-32820	41900	36310
1.203	-10.762	-30410	-30770	-30770	-30500	-31720	-31720	-32180	-32750	41940	36290
1.204	-4.932	-29910	-29910	-30120	-29810	-31320	-31320	-31560	-32010	41980	36390
1.203	-2.426	-29710	-29770	-29860	-30020	-30940	-30940	-31300	-31570	41950	36420
1.203	-1.110	-30020	-30200	-30000	-29930	-30750	-30750	-31320	-32050	42010	36380
1.203	2.522	-29790	-30060	-30090	-30030	-30870	-30870	-31470	-31860	41950	36400
1.202	5.005	-30130	-30370	-30160	-29920	-31370	-31370	-31750	-32250	41840	36160
1.203	10.043	-30710	-30930	-30770	-30740	-31700	-31700	-32150	-33030	41970	36370
1.202	15.014	-31540	-31450	-31650	-31620	-31970	-31970	-32090	-33090	41890	36360
1.204	18.107	-31450	-31200	-31540	-31660	-32400	-32400	-32680	-33350	41980	36450
1.203	22.827	-31800	-31890	-31960	-32050	-32530	-32530	-32910	-33290	42090	36540
	GRADIENT	.00003	.00035	.00002	.00023	.00062	.00062	.00010	.00000	-.00001	-.00000

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA
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PAGE 1821

(E2F076) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
BOFLAP = .000 SPDGRK = .000
RN/L = 5.000

RUN NO. 606/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.407	-14.970	-30650	-30640	-30720	-30740	-30860	-30860	-31080	-31350	48180	44830
1.407	-10.745	-30040	-30040	-30110	-30100	-30440	-30440	-30460	-30810	48000	44680
1.403	-4.932	-29740	-29620	-29580	-29540	-29940	-29940	-30220	-30620	48150	44610
1.404	-2.426	-29350	-29520	-29470	-29400	-29830	-29830	-30120	-30310	48110	44610
1.403	-1.110	-29280	-29370	-29380	-29240	-29620	-29620	-29860	-30250	48320	44720
1.403	2.505	-29350	-29410	-29250	-29360	-29840	-29840	-30050	-30480	48080	44510
1.403	5.014	-29380	-29500	-29530	-29660	-29820	-29820	-30190	-30480	48020	44700
1.402	10.027	-30140	-30100	-30150	-30150	-30240	-30240	-30440	-30840	48170	44560
1.403	15.022	-30660	-30690	-30530	-30520	-30750	-30750	-30970	-31360	48090	44560
1.403	18.116	-30960	-30770	-30950	-30980	-31150	-31150	-31380	-31540	48230	44650
1.403	22.818	-31260	-31290	-31150	-31370	-31510	-31510	-31760	-31880	48170	44590
	GRADIENT	.00050	.00031	.00044	.00028	.00020	.00020	.00031	.00019	-0.0001	-0.0008

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(E2F077) (08 JUL 77)

REFERENCE DATA

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LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
ELEVON = .000 AILRON = .000
BOFLAP = .000 SPDGRK = .000
RN/L = 5.000

RUN NO. 650/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.600	-14.965	-20900	-20640	-20930	-20480	-25890	-25890	-28990	-32060	18790	15480
.600	-10.754	-20120	-19930	-19670	-19890	-25960	-25960	-28580	-31180	18930	15350
.598	-4.924	-20120	-19930	-19290	-19360	-25360	-25360	-28350	-31150	18730	15570
.598	-2.434	-19400	-19760	-19830	-19900	-25700	-25700	-28220	-31120	18810	15360
.598	-1.103	-19780	-19610	-19610	-19710	-25770	-25770	-28500	-31070	18770	15230
.598	2.522	-18910	-19290	-19790	-19980	-25670	-25670	-28240	-31070	18640	15180
.598	4.996	-20230	-19540	-19140	-20130	-25360	-25360	-28350	-31820	18950	15500
.597	10.027	-20120	-20000	-20290	-19640	-26040	-26040	-28260	-31400	18360	15200
.597	14.996	-21000	-20720	-20980	-20980	-26190	-26190	-29020	-31470	18850	15160
.597	17.170	-20740	-20310	-20630	-20930	-26070	-26070	-29190	-31460	18710	14870
.598	22.818	-22000	-20360	-21450	-20150	-25690	-25690	-29060	-31840	18550	15800
	GRADIENT	.00011	.00050	.00014	.00066	.00002	.00002	.00000	.00052	.00011	-0.0013

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0A145 TABULATED FORCE DATA

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AMES 118-1-11 0A145A 01

(E2F077) (08 JUL 77)

REFERENCE DATA

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 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA =
 ELEVON =
 BDFLAP =
 RN/L =
 10.000 BETA =
 .000 AILRON =
 .000 SPOBRK =
 5.000

MACH		RUDDER		CP225		CP228		CP231		CP234		CP237		CP240		CP243		CP246		CP12		CP13	
.900	-14.960	-14.960	-14.960	-26370	-26110	-26110	-26110	-24990	-26080	-26080	-26080	-34690	-34690	-34690	-34690	-35570	-35570	-35770	-35770	.28030	.28030	.23520	.23520
.900	-10.736	-10.736	-10.736	-25640	-25190	-25190	-25190	-25450	-25110	-25110	-25110	-34330	-34330	-34330	-34330	-34880	-34880	-35310	-35310	.28050	.28050	.23490	.23490
.900	-4.947	-4.947	-4.947	-25180	-25270	-25270	-25270	-25160	-25130	-25130	-25130	-33970	-33970	-33970	-33970	-35330	-35330	-35280	-35280	.27980	.27980	.23540	.23540
.898	-2.434	-2.434	-2.434	-25600	-25710	-25710	-25710	-25410	-25810	-25810	-25810	-34360	-34360	-34360	-34360	-35260	-35260	-35420	-35420	.27760	.27760	.23280	.23280
.900	-1.103	-1.103	-1.103	-24630	-25170	-25170	-25170	-25270	-24680	-24680	-24680	-34460	-34460	-34460	-34460	-35290	-35290	-34790	-34790	.27910	.27910	.23390	.23390
.900	2.522	2.522	2.522	-24680	-24770	-24770	-24770	-25030	-25100	-25100	-25100	-33400	-33400	-33400	-33400	-35240	-35240	-35260	-35260	.28200	.28200	.23780	.23780
.900	4.996	4.996	4.996	-24910	-25100	-25100	-25100	-24210	-24780	-24780	-24780	-33790	-33790	-33790	-33790	-34290	-34290	-35290	-35290	.28050	.28050	.23630	.23630
.900	10.003	10.003	10.003	-25110	-25330	-25330	-25330	-25490	-25520	-25520	-25520	-34490	-34490	-34490	-34490	-34710	-34710	-35450	-35450	.27960	.27960	.23450	.23450
.901	15.014	15.014	15.014	-26220	-25680	-25680	-25680	-25850	-25990	-25990	-25990	-34400	-34400	-34400	-34400	-35120	-35120	-35310	-35310	.27940	.27940	.23670	.23670
.898	18.125	18.125	18.125	-26800	-26640	-26640	-26640	-26920	-27510	-27510	-27510	-34940	-34940	-34940	-34940	-36020	-36020	-36460	-36460	.27770	.27770	.23230	.23230
.901	22.808	22.808	22.808	-27160	-26520	-26520	-26520	-26880	-26880	-26880	-26880	-34330	-34330	-34330	-34330	-35880	-35880	-35260	-35260	.28170	.28170	.23750	.23750
GRADIENT	.00058	.00058	.00058	.00058	.00051	.00051	.00051	.00036	.00056	.00056	.00056	.00054	.00054	.00054	.00054	.00085	.00085	.00005	.00005	.00023	.00023	.00028	.00028

RUN NO. 638/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH		RUDDER		CP225		CP228		CP231		CP234		CP237		CP240		CP243		CP246		CP12		CP13	
.951	-14.965	-14.965	-14.965	-26500	-26840	-26840	-26840	-26540	-27030	-27030	-27030	-35560	-35560	-35560	-35560	-37150	-37150	-36630	-36630	.31550	.31550	.27170	.27170
.952	-10.736	-10.736	-10.736	-26230	-25850	-25850	-25850	-25780	-26020	-26020	-26020	-36340	-36340	-36340	-36340	-36900	-36900	-37530	-37530	.31440	.31440	.26920	.26920
.952	-4.961	-4.961	-4.961	-26030	-25950	-25950	-25950	-26000	-26330	-26330	-26330	-36080	-36080	-36080	-36080	-37280	-37280	-37360	-37360	.31350	.31350	.26850	.26850
.951	-2.434	-2.434	-2.434	-26170	-25390	-25390	-25390	-26040	-25940	-25940	-25940	-35680	-35680	-35680	-35680	-37110	-37110	-36830	-36830	.31310	.31310	.26790	.26790
.950	-1.110	-1.110	-1.110	-26080	-25820	-25820	-25820	-26350	-25870	-25870	-25870	-35730	-35730	-35730	-35730	-36900	-36900	-37240	-37240	.31240	.31240	.26740	.26740
.952	2.522	2.522	2.522	-25470	-25530	-25530	-25530	-24850	-25270	-25270	-25270	-35240	-35240	-35240	-35240	-35460	-35460	-37180	-37180	.31330	.31330	.27000	.27000
.950	4.996	4.996	4.996	-26200	-26270	-26270	-26270	-26170	-26170	-26170	-26170	-36070	-36070	-36070	-36070	-37440	-37440	-37950	-37950	.31060	.31060	.26570	.26570
.952	10.019	10.019	10.019	-26580	-26200	-26200	-26200	-23930	-22060	-22060	-22060	-36180	-36180	-36180	-36180	-37540	-37540	-38070	-38070	.31370	.31370	.26850	.26850
.951	15.014	15.014	15.014	-26830	-26330	-26330	-26330	-26680	-26720	-26720	-26720	-36180	-36180	-36180	-36180	-37540	-37540	-38070	-38070	.31420	.31420	.26930	.26930
.951	18.098	18.098	18.098	-27500	-26920	-26920	-26920	-27430	-26670	-26670	-26670	-36450	-36450	-36450	-36450	-37710	-37710	-37610	-37610	.31340	.31340	.26770	.26770
.950	22.818	22.818	22.818	-27720	-27440	-27440	-27440	-27490	-27340	-27340	-27340	-36430	-36430	-36430	-36430	-37250	-37250	-38250	-38250	.31050	.31050	.26740	.26740
GRADIENT	.00015	.00015	.00015	.00015	.00031	.00031	.00031	.00035	.00067	.00067	.00067	.00014	.00014	.00014	.00014	.00054	.00054	.00061	.00061	-.00022	-.00022	-.00014	-.00014

RUN NO. 631/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

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(EZF077) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = .0000 BETA = .000
 ELEVON = .0000 AILRON = .000
 BDFLAP = .0000 SPOBRK = .000
 RN/L = 5.000

RUN NO. 618/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.202	-14.965	-31420	-31720	-31420	-31570	-32520	-32520	-32610	-33060	.43990	.37050
1.203	-10.736	-30520	-30910	-30860	-31180	-31630	-31630	-32200	-32540	.44160	.37330
1.201	-4.947	-29900	-30630	-30820	-30770	-31780	-31780	-32160	-32470	.43860	.36960
1.204	-2.426	-29910	-30080	-30180	-30120	-31320	-31320	-31520	-31830	.44120	.37150
1.204	-1.110	-30080	-29790	-30050	-29850	-30860	-30860	-31230	-31780	.44220	.37530
1.203	2.531	-30440	-30340	-30550	-30370	-31490	-31490	-31850	-32370	.44120	.37280
1.202	5.014	-30490	-30620	-30780	-30870	-31580	-31580	-32060	-32300	.44100	.37240
1.203	10.043	-31290	-30960	-31090	-30860	-32150	-32150	-32430	-32880	.44060	.37260
1.203	15.014	-31350	-32190	-31790	-31470	-32390	-32390	-33060	-33040	.44020	.37290
1.202	18.107	-32010	-31970	-32210	-32450	-33000	-33000	-33420	-33500	.43940	.37250
1.203	22.827	-32720	-32760	-32580	-32510	-32990	-32990	-33570	-33820	.44150	.37420
	GRADIENT	-0.00073	.00045	.00037	.00058	.00052	.00052	.00048	.00013	.00035	.00051

RUN NO. 607/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.402	-14.970	-31960	-31950	-31980	-31920	-31800	-31800	-31990	-32310	.49670	.45800
1.401	-10.745	-31660	-31870	-31750	-31900	-31510	-31510	-31720	-32080	.49440	.45750
1.402	-4.947	-31030	-31150	-31190	-31080	-31130	-31130	-31320	-31760	.49670	.45730
1.402	-2.451	-30890	-30980	-31120	-31050	-30940	-30940	-31110	-31480	.49490	.45690
1.403	-1.103	-30730	-30860	-30840	-30970	-30860	-30860	-31050	-31390	.49620	.45720
1.403	2.496	-30980	-30940	-31050	-31130	-30770	-30770	-31090	-31400	.49630	.45780
1.404	5.014	-30840	-30960	-31100	-30950	-30980	-30980	-31120	-31370	.49750	.45810
1.404	10.027	-31280	-31260	-31340	-31340	-31170	-31170	-31420	-31690	.49670	.45910
1.403	15.014	-31890	-31890	-31930	-31960	-31810	-31810	-31870	-32230	.49400	.45660
1.403	18.107	-32040	-32160	-32210	-32130	-31750	-31750	-31980	-32360	.49680	.45860
1.403	22.827	-32360	-32610	-32540	-32490	-32140	-32140	-32300	-32680	.49550	.45780
	GRADIENT	.00012	.00030	.00028	-.00003	.00047	.00047	.00030	.00047	.00000	.00007

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PARAMETRIC DATA

REFERENCE DATA

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LREF = 474.8100 INCHES	YMRP = .0000 IN. YO	ELEVON = .000	AIRLON = .000
BREF = 936.6800 INCHES	ZMRP = 375.0000 IN. ZO	BDFLAP = .000	SPDBRK = .000
SCALE = .0500		RN/L = 5.000	

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.598	-14.970	-22880	-23430	-22690	-23380	-32510	-32510	-34400	-35300	.16520	.12820
.599	-10.762	-22720	-23360	-22840	-22770	-31330	-31330	-33770	-35180	.16660	.12950
.598	-4.954	-22730	-22130	-22700	-22540	-30820	-30820	-33130	-34610	.17150	.13320
.598	-2.434	-22480	-22390	-22340	-22650	-31260	-31260	-33880	-34850	.16960	.12940
.598	-1.110	-22380	-22100	-22050	-22360	-31220	-31220	-34040	-35080	.16610	.12890
.598	2.513	-22120	-22260	-22400	-21720	-31280	-31280	-33910	-34710	.16580	.13010
.598	5.024	-22110	-22840	-22440	-22700	-31270	-31270	-33690	-35030	.16860	.12910
.598	10.003	-22330	-22820	-22850	-23200	-31150	-31150	-33340	-34540	.16480	.13000
.598	15.022	-23100	-23410	-22630	-23600	-30910	-30910	-33780	-34580	.16730	.13450
.598	18.107	-23350	-23230	-23090	-23210	-31250	-31250	-33530	-35040	.16460	.13100
.598	22.818	-24460	-24010	-24170	-24480	-31970	-31970	-33850	-35800	.16770	.12790
GRADIENT		.00078	.00005	.00047	.00112	.00054	.00054	.00101	.00020	.00083	.00039

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.900	-14.970	-30410	-31070	-31300	-30980	-41990	-41990	-42850	-43660	.27990	.22760
.900	-10.780	-30150	-30070	-30280	-29600	-41030	-41030	-42510	-43290	.27920	.22910
.900	-4.954	-29660	-29140	-28970	-29230	-41260	-41260	-42820	-42820	.27730	.22760
.901	-2.426	-30370	-29850	-29850	-29710	-40800	-40800	-42080	-42470	.28130	.23110
.899	-0.096	-30580	-30550	-30790	-29780	-41410	-41410	-43050	-44000	.27660	.22650
.900	2.488	-29890	-30690	-29580	-29720	-40730	-40730	-43060	-43260	.27890	.23020
.900	5.024	-30350	-29830	-30420	-30160	-42000	-42000	-42410	-43360	.27550	.22500
.901	10.011	-30420	-30240	-29380	-30190	-40840	-40840	-42910	-43580	.27700	.23130
.899	15.014	-30400	-31150	-30680	-31370	-41550	-41550	-42970	-43140	.27710	.22830
.900	18.107	-32000	-31150	-31000	-32000	-41730	-41730	-43250	-43800	.27630	.22800
.900	22.836	-31690	-31020	-30940	-30900	-41480	-41480	-42680	-43940	.28050	.23060
GRADIENT		.00036	.00216	.00110	.00062	.00042	.00042	.00138	.00112	.00001	.00014

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(E2F078) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. X0
LREF = 474.8100 INCHES YMRP = .0000 IN. Y0
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. Z0
SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = .000
RN/L = 5.000

RUN NO. 619/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.202	-14.976	-32750	-32880	-32860	-32520	-3240	-3240	-3280	-34040	.44590	.36590
1.201	-10.771	-32220	-32370	-32270	-32500	-3220	-3220	-3290	-34130	.44510	.36840
1.203	-4.917	-31830	-31910	-31930	-32150	-32510	-32510	-32940	-33410	.44590	.37070
1.203	-2.426	-31690	-31710	-32030	-31640	-32720	-32720	-33130	-33550	.44640	.36770
1.204	-1.110	-31420	-31430	-31290	-31450	-31950	-31950	-32810	-32700	.44840	.37310
1.203	2.505	-31770	-31700	-31880	-32180	-32550	-32550	-32850	-33440	.44680	.36930
1.204	5.042	-31530	-31650	-31900	-31770	-32520	-32520	-32890	-33040	.44660	.37080
1.202	10.019	-32220	-32470	-32590	-32580	-32700	-32700	-33380	-33480	.44430	.36740
1.202	15.014	-32550	-32740	-32660	-32710	-33130	-33130	-33800	-33560	.44470	.37010
1.202	18.116	-32770	-32920	-32870	-32640	-33190	-33190	-33730	-34140	.44470	.36970
1.202	22.836	-33330	-33260	-33230	-33000	-33440	-33440	-33890	-34320	.44470	.37020
1.202	GRADIENT	.00017	.00036	.00034	.00002	.00024	.00024	.00020	.00028	.00018	.00003

RUN NO. 608/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.395	-14.976	-33330	-33410	-33500	-33580	-31800	-31800	-31970	-32380	.50600	.45070
1.394	-10.727	-33160	-33290	-33210	-33320	-31640	-31640	-31780	-32070	.50590	.45050
1.394	-4.939	-32730	-33010	-33020	-32930	-31330	-31330	-31640	-31920	.50610	.45220
1.396	-2.426	-32630	-32670	-32760	-32760	-31280	-31280	-31450	-31870	.50690	.45250
1.395	-1.110	-32590	-32770	-32650	-32670	-31220	-31220	-31430	-31780	.50700	.45140
1.395	2.505	-32490	-32800	-32740	-32800	-31290	-31290	-31510	-31850	.50790	.45200
1.395	5.014	-32860	-32900	-32870	-32780	-31380	-31380	-31590	-32010	.50640	.45130
1.396	10.019	-33090	-33180	-33110	-33040	-31390	-31390	-31710	-32090	.50890	.45370
1.395	15.005	-33370	-33400	-33370	-33370	-31730	-31730	-31880	-32300	.50680	.45230
1.397	18.134	-33330	-33410	-33380	-33280	-31690	-31690	-31900	-32240	.50740	.45270
1.395	22.836	-33810	-33940	-33910	-33950	-31980	-31980	-32250	-32560	.50640	.45240
1.395	GRADIENT	.00031	.00022	.00038	.00019	.00007	.00007	.00016	.00012	.00022	.00007

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(E2F079) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPOBRK = .000 RUDDER = -5.000
 RN/L = 5.000

RUN NO. 652/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.598	-5.064	-20250	-19990	-20390	-20390	-21740	-21740	-21810	-21880	-03700	-04200
.600	-.070	-19270	-18820	-19080	-19080	-20000	-20000	-20430	-20610	.08550	.07020
.597	2.440	-19710	-19830	-19640	-19970	-21680	-21680	-22200	-22960	.12370	.10090
.596	4.903	-19890	-19870	-19750	-20080	-22930	-22930	-23800	-25550	.15250	.12880
.598	6.992	-20080	-19870	-19700	-19890	-24180	-24180	-25990	-27870	.17560	.14460
.597	8.044	-20050	-20280	-19950	-20210	-24500	-24500	-26940	-29440	.17780	.15180
.598	10.100	-20040	-19660	-19900	-19450	-25560	-25560	-28580	-31870	.18740	.15520
.597	12.122	-21050	-20240	-20890	-20770	-27500	-27500	-30990	-34440	.18690	.14790
.598	15.144	-22020	-22190	-22570	-22660	-31510	-31510	-33110	-34190	.16630	.12570
GRADIENT		-.00125	-.00198	-.00135	-.00202	-.00589	-.00589	-.00678	-.00993	.01348	.01178

RUN NO. 640/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.900	-5.118	-25630	-25330	-24950	-25910	-28190	-28190	-29850	-29260	.09070	.08720
.899	-.104	-23170	-23190	-23280	-23280	-27770	-27770	-28120	-28720	.18210	.15790
.900	2.447	-22900	-22400	-22380	-22760	-31270	-31270	-31480	-32480	.21360	.18270
.899	4.994	-24370	-23680	-23700	-23960	-33890	-33890	-34090	-35500	.23880	.20390
.898	7.128	-24480	-24910	-25040	-24900	-34020	-34020	-35830	-35370	.26310	.22030
.899	8.069	-24510	-24450	-24890	-24470	-33710	-33710	-34580	-35080	.26770	.23030
.900	10.117	-25600	-25620	-24960	-26090	-35140	-35140	-35320	-35610	.27550	.22990
.901	12.151	-26130	-25910	-26480	-26670	-36890	-36890	-37060	-37840	.28270	.23340
.900	15.204	-30210	-30040	-29540	-29830	-41390	-41390	-42240	-42270	.27810	.22510
GRADIENT		-.00235	-.00096	-.00065	-.00133	-.01200	-.01200	-.01171	-.01330	.01112	.00902

RUN NO. 624/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.950	-5.060	-28910	-28760	-28880	-28810	-33380	-33380	-40350	-41250	.13700	.13530
.952	-.016	-26640	-26500	-26870	-26920	-35610	-35610	-36520	-37620	.22560	.20210
.951	2.439	-27030	-26400	-26600	-26950	-36330	-36330	-37670	-38770	.25330	.22240
.952	4.921	-25890	-24600	-25160	-25200	-33660	-33660	-34890	-35730	.28170	.24300
.950	6.953	-24920	-24820	-25000	-24460	-33870	-33870	-34860	-35290	.30090	.25590
.951	7.992	-25440	-25460	-24710	-25010	-34780	-34780	-35500	-36010	.30350	.26060
.949	10.017	-26350	-26550	-26780	-26330	-35810	-35810	-37200	-37750	.31200	.26610
.951	12.024	-15800	-19790	-34800	-27650	-38110	-38110	-39310	-40000	.31890	.26690
.950	15.008	-31100	-31420	-31100	-30950	-40740	-40740	-41510	-42390	.31690	.26210
GRADIENT		-.00152	-.00385	-.00347	-.00349	-.00396	-.00396	-.00332	-.00384	.01136	.00828

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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(E2F079) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDRK = .000 RUDDER = -5.000
RN/L = 5.000

RUN NO. 610/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.203	-5.094	-28870	-28980	-28960	-28890	-28670	-28670	-28970	-29460	.33760	.34550
1.204	-.036	-28850	-28860	-28770	-28770	-28840	-28840	-29320	-29600	.38920	.39630
1.200	2.553	-29160	-29390	-29250	-29160	-29600	-29600	-30320	-30910	.40360	.35810
1.198	5.040	-30300	-30050	-30320	-30500	-30960	-30960	-31680	-31600	.41540	.36080
1.198	7.095	-30540	-30680	-31080	-31150	-31240	-31240	-31450	-31210	.42780	.36150
1.199	8.144	-31010	-30750	-30700	-31300	-31460	-31460	-31790	-31960	.43150	.36590
1.197	10.103	-30470	-30470	-30510	-30540	-31500	-31500	-31500	-32620	.43700	.36860
1.198	12.096	-30620	-30640	-30500	-30380	-31600	-31600	-31980	-32510	.44170	.36830
1.199	15.027	-32190	-32090	-32130	-32270	-32670	-32670	-33080	-33830	.44490	.36640
	GRADIENT	-00120	-00205	-00185	-00151	-00294	-00294	-00386	-00506	.00556	.00070

RUN NO. 601/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.396	-5.000	-28000	-28230	-28080	-28090	-28730	-28730	-29100	-29420	.40280	.43000
1.400	.053	-28560	-28700	-28720	-28520	-28850	-28850	-29000	-29380	.44290	.43430
1.403	2.545	-28780	-28710	-28800	-28800	-29410	-29410	-29570	-29840	.45980	.44330
1.399	5.087	-29640	-29600	-29780	-29720	-30030	-30030	-30300	-30540	.48240	.44580
1.399	7.175	-30700	-30740	-30930	-30750	-30730	-30730	-31100	-31440	.49490	.45200
1.400	8.202	-30840	-30710	-31020	-30930	-31040	-31040	-31280	-31570	.49260	.46040
1.397	10.250	-31450	-31490	-31420	-31570	-31300	-31300	-31610	-31720	.49840	.45880
1.397	12.290	-31920	-32070	-32170	-32380	-31570	-31570	-31860	-32030	.50240	.45210
1.397	15.272	-32860	-32960	-32920	-33000	-31500	-31500	-31710	-32040	.50710	.45400
	GRADIENT	-00088	-00004	-00032	-00112	-00225	-00225	-00229	-00185	.00678	.00361

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OAI45 TABULATED FORCE DATA

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(E2F080) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

ALPHA =
 AILRON =
 SPDRK =
 RN/L =

5.000 ELEVON = .000
 .000 BDFLAP = .000
 .000 RUDDER = -5.000
 5.000

PARAMETRIC DATA

RUN NO. 653/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.598	-6.051	-20360	-20500	-19960	-19960	-23050	-23050	-23740	-25580	.29870	-.01400
.597	-1.917	-20080	-19700	-20030	-19650	-22780	-22780	-24240	-25940	.20340	.08360
.598	-.872	-19320	-19250	-19560	-19700	-22490	-22490	-24160	-25480	.17950	.11110
.598	.006	61400	-13630	02750	03390	-23230	-23230	-23910	.00000	.15370	.12800
.598	.499	-19790	-19720	-19650	-20010	-23010	-23010	-24520	-25910	.14570	.14150
.597	1.032	-19930	-20290	-20050	-20260	-23210	-23210	-24440	-25970	.13420	.15460
.597	2.102	-19930	-20170	-20280	-20190	-22880	-22880	-24490	-26050	.11040	.18470
.598	3.148	-20310	-20360	-20500	-20360	-23280	-23280	-24910	-26460	.07970	.20720
.597	4.173	-21020	-20900	-20800	-21020	-23500	-23500	-24890	-26260	.05620	.23080
.598	6.230	-21310	-21240	-21480	-21340	-23760	-23760	-24600	-26210	.00980	.28010
	GRADIENT	-.03005	-.00436	-.00957	-.01013	-.00117	-.00117	-.00140	-.01010	-.02408	.02432

RUN NO. 641/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.902	-6.112	-21880	-21510	-21600	-21430	-28950	-28950	-30430	-30910	.39100	.05850
.901	-1.952	-22550	-22500	-22240	-22720	-31760	-31760	-32320	-33540	.29440	.15620
.900	-.902	-22700	-23110	-23030	-22380	-31920	-31920	-32990	-34450	.26670	.18500
.900	.158	-23600	-23600	-23220	-23230	-32600	-32600	-34390	-35170	.24250	.21150
.900	.638	-23730	-23410	-23670	-23310	-32960	-32960	-33750	-34440	.22980	.22210
.900	1.163	-24080	-27750	-23680	-23370	-32060	-32060	-32900	-34010	.21830	.23900
.899	2.215	-23520	-24450	-24320	-24460	-32340	-32340	-32690	-34270	.19040	.26330
.899	3.264	-25240	-25430	-25270	-25390	-32850	-32850	-34270	-34590	.17020	.28980
.898	4.302	-26340	-25840	-26130	-25700	-34170	-34170	-34480	-34270	.14420	.31160
.895	6.375	-27800	-27800	-28200	-28100	-35690	-35690	-36870	-35690	.09130	.36320
	GRADIENT	-.00561	-.00546	-.00592	-.00560	-.00294	-.00294	-.00246	-.00053	-.02384	.02497

RUN NO. 625/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.950	-6.137	-24880	-25430	-25060	-25280	-32830	-32830	-34150	-34880	.42370	.09000
.952	-2.039	-24370	-23810	-23440	-23860	-31860	-31860	-32800	-33580	.33180	.18990
.951	-.988	-25080	-24800	-24120	-24470	-32850	-32850	-33230	-34990	.30610	.21580
.950	.072	-25870	-25620	-25920	-25080	-33700	-33700	-35040	-35810	.27880	.24050
.950	.576	-25160	-25260	-25830	-25610	-33560	-33560	-34890	-35600	.26880	.25470
.950	1.109	-25440	-25240	-25700	-24890	-33690	-33690	-34610	-35110	.25440	.26700
.950	2.151	-24950	-25000	-25700	-24750	-33340	-33340	-34670	-35070	.23210	.29590
.949	3.185	-26560	-26440	-26340	-26460	-33740	-33740	-35620	-36910	.20850	.32360
.950	4.225	-26950	-27350	-27500	-27080	-34550	-34550	-36570	-37320	.18680	.34850
.947	6.313	-29380	-29600	-28600	-29900	-37750	-37750	-36750	-39690	.13380	.39800
	GRADIENT	-.00339	-.00454	-.00553	-.00446	-.00320	-.00320	-.00427	-.00485	-.02317	.02557

(E2F080) (08 JUL 77)

PARAMETRIC DATA

ELEVON	=	.000
90°FLAP	=	.000
RUDDER	=	-5.000

ALPHA
AILRON
SPDBRK
RN/L

76.6800	IN.	XO
.0000	IN.	YO
75.0000	IN.	ZO

SREF	=	2690.0000	SQ.FT.	YNRP
LREF	=	474.8100	INCHES	YNRP
BREF	=	936.6800	INCHES	ZMRP
SCALE	=	.0500		

611 / 0	5.06	GRADIENT INTERVAL =	-5.00 /	5.00
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[illegible]

POINT NO	ELEV	BN/1	GRADIENT	INTERVAL	
502/0		4.96		-5.00/	5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.404	-28650	-28550	-28430	-28570	-28430	-29050	-29050	-29340	-29580	.58270	.35800
1.405	-29410	-29390	-29140	-29290	-29140	-30020	-30020	-30070	-30270	.50170	.42320
1.403	-29180	-29210	-29200	-29220	-29200	-29760	-29760	-30010	-30380	.49290	.43590
1.402	-29400	-29480	-29510	-29480	-29510	-29950	-29950	-30300	-30500	.48160	.44440
1.403	-29510	-29590	-29710	-29480	-29620	-29840	-29840	-30160	-30420	.47770	.44960
1.402	-29630	-29640	-29710	-29710	-29630	-29910	-29910	-30260	-30550	.47710	.45380
1.403	-29700	-29580	-29780	-29780	-29660	-29860	-29860	-30150	-30450	.47030	.46490
1.402	-29660	-29600	-29550	-29580	-29580	-29800	-29800	-29810	-30350	.44980	.48330
1.403	-29580	-29750	-29710	-29710	-29650	-29890	-29890	-30060	-30200	.42030	.50100
1.400	-28860	-29100	-28880	-28880	-28890	-29010	-29010	-29160	-29490	.34890	.55010
GRADIENT	-00060	-00065	-00072	-00072	-00080	-00013	-00013	-00020	-00011	-.01166	.01191

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OAI45 TABULATED FORCE DATA

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(E2F081) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RUDDER = -22.800
RN/L = 5.000

PARAMETRIC DATA

RUN NO. 603/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.400	-6.102	-30100	-30000	-29980	-29980	-30370	-30370	-30500	-30710	.58510	.35770
1.403	-1.957	-30950	-30920	-30960	-31000	-31240	-31240	-31510	-31680	.50390	.42400
1.402	.910	-31320	-31240	-31310	-31060	-31410	-31410	-31650	-31810	.49270	.43430
1.403	.164	-31330	-31310	-31310	-31310	-31590	-31590	-31860	-31940	.48140	.44560
1.403	.663	-31280	-31190	-31300	-31320	-31390	-31390	-31570	-31870	.47860	.45010
1.403	1.186	-31440	-31300	-31340	-31300	-31500	-31500	-31500	-31820	.47320	.45180
1.403	2.239	-31060	-31130	-31080	-31120	-31170	-31170	-31450	-31560	.46840	.46400
1.403	3.285	-30890	-30660	-30770	-30830	-30900	-30900	-31030	-31270	.44920	.47990
1.402	4.332	-30500	-30420	-30610	-30540	-30390	-30390	-30530	-31080	.41930	.50430
1.402	6.410	-29740	-29800	-29620	-29550	-29300	-29300	-29590	-29990	.35090	.55270
1.402	GRADIENT	.00087	.00099	.00083	.00073	.00138	.00138	.00158	.00114	-.01210	.01197

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(E2F082) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = -11.700
SPDBRK = .000 RUDDER = .000
RN/L = 5.000

PARAMETRIC DATA

RUN NO. 662/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.397	-5.052	-.21000	-.05420	-.05630
.397	-.099	-.21550	.05840	.04120
.397	2.419	-.22360	.10000	.08190
.397	4.925	-.23190	.13180	.11510
.396	6.963	-.24940	.14520	.12710
.396	7.966	-.25320	.15530	.13250
.396	10.013	-.27110	.16070	.13270
.397	15.116	-.32000	.13780	.10130
	GRADIENT	-.00326	.01461	.01471

OAI45 TABULATED FORCE DATA
AMES 118-1-11 OAI45A 01

(E2F082) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = -11.700
SPDBRK = .000 RUDDER = .000
RN/L = 5.000

RUN NO. 657/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.599	-4.913	-.22670	-.03310	-.03490
.598	.006	-.21330	-.08640	-.07060
.598	2.457	-.22760	.12600	.10120
.597	4.962	-.23850	.15290	.13010
.596	7.021	-.25580	.17090	.14150
.597	8.044	-.25700	.17730	.14920
.597	10.096	-.27080	.18020	.14790
.598	15.145	-.31600	.16470	.12550
	GRADIENT	-.00115	.01922	.01688

(E2F083) (06 MAR 80)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 19.000 ELEVON = .000
AILRON = .000 BDFLAP = -11.700
SPDBRK = .000 RUDDER = .000
RN/L = 5.000

RUN NO. 663/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.397	-5.007	-.31740	.25330	-.14920
.396	-3.993	-.31970	.21910	-.11320
.396	-1.920	-.32330	.14190	-.03300
.396	-.884	-.32160	.10680	.00410
.397	.144	-.30730	.07940	.05070
.397	1.173	-.30780	.03930	.08620
.397	2.191	-.31180	.00240	.12340
.397	4.255	-.31720	-.06740	.19900
.397	5.287	-.32470	-.09140	.23200
	GRADIENT	.00108	-.03450	.03804

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OA145 TABULATED FORCE DATA

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(E2F083) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA =
AILRON =
SPDBRK =
RN/L =
ELEVON =
BDFLAP =
RUDDER =
19.000
.000
.000
5.000
.000
-11.700
.000

RUN NO. 658/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.597	-5.019	-.37070	.28780	-.12090
.598	-4.000	-.36830	.25120	-.07900
.597	-1.936	-.36380	.18620	.00300
.598	-.896	-.36170	.15270	.04100
.598	.138	-.36100	.11650	.07930
.599	1.175	-.35720	.08160	.11930
.599	2.201	-.36020	.04570	.15550
.599	4.276	-.35700	-.02990	.23230
.598	5.307	-.36240	-.06040	.26400
	GRADIENT	.00131	-.03398	.03748

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

AMES 118-1-11 OA145A 01

(E2F084) (06 MAR 80)

PARAMETRIC DATA

BETA =
AILRON =
SPDBRK =
RN/L =
ELEVON =
BDFLAP =
RUDDER =
.000
.000
7.500
5.000
.000
.000
.000

RUN NO. 906/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.599	-5.219	-.21090	-.04270	-.03970
.598	-.240	-.20040	.08130	.06810
.597	2.284	-.20900	.12070	.10480
.601	4.818	-.23190	.15390	.13430
.598	7.859	-.23860	.17520	.15330
.596	9.960	-.25010	.18300	.15030
.596	11.968	-.26750	.17590	.14780
.599	14.976	-.31760	.16440	.12600
.598	16.975	-.34470	.14280	.10800
.597	18.969	-.38900	.11030	.07810
	GRADIENT	-.00425	.01435	.01309

OAI45 TABULATED FORCE DATA

APES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO

LREF = 474.8100 INCHES YMRP = .0000 IN. YO

BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO

SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000

AILRON = .000 BOFLAP = .000

SPOBRK = 7.500 RUDDER = .000

RN/L = 5.000

RUN NO. 904/ 0			RN/L = 4.97		GRADIENT INTERVAL = -5.00/ 5.00	
MACH			ALPHA		CP240	
.799			-5.257		.01860	
.802			-2.228		.13050	
.797			2.285		.16170	
.798			4.818		.18830	
.799			7.935		.22250	
.799			9.988		.23510	
.798			11.987		.23210	
.799			15.038		.22610	
.798			17.032		.20720	
.798			18.998		.18490	
GRADIENT			.00424		.01145	

RUN NO. 901/ 0			RN/L = 4.98		GRADIENT INTERVAL = -5.00/ 5.00	
MACH			ALPHA		CP240	
.900			-5.281		.08930	
.899			-2.261		.18320	
.899			2.287		.21570	
.900			4.844		.24270	
.903			7.961		.26960	
.899			9.988		.28000	
.900			12.006		.28650	
.903			15.065		.28660	
.901			17.038		.26610	
.902			19.016		.25340	
GRADIENT			.01227		.01166	

RUN NO. 899/ 0			RN/L = 4.99		GRADIENT INTERVAL = -5.00/ 5.00	
MACH			ALPHA		CP240	
.953			-5.294		.13110	
.949			-2.273		.21780	
.951			2.304		.24770	
.951			4.859		.27790	
.952			7.988		.30150	
.950			10.022		.30870	
.952			12.038		.31560	
.951			15.065		.31610	
.946			17.046		.29750	
.950			18.994		.28970	
GRADIENT			.00460		.01171	

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OAI45 TABULATED FORCE DATA

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(E2F085) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
 ATLIRON = .000 BOFLAP = .000
 SPDBRK = 7.500 RUDDER = .000
 RN/L = 5.000

RUN NO. 907/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00
 MACH ALPHA CP240 CP12 CP13
 .597 -5.251 -21100 -07150 -00920
 .600 -1.252 -20090 .03970 .10850
 .598 2.309 -21260 .07560 .15010
 .597 4.929 -23160 .10400 .17930
 .598 8.026 -24120 .12390 .20320
 .597 10.057 -25010 .13440 .20890
 .597 12.075 -27240 .12980 .20570
 .597 15.063 -31390 .10430 .18910
 .596 17.047 -34780 .07230 .17080
 .597 18.985 -38850 .04230 .14340
 GRADIENT -00593 .01240 .01365

RUN NO. 905/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00
 MACH ALPHA CP240 CP12 CP13
 .799 -5.272 -24060 -01330 .05020
 .797 -1.268 -22810 .08220 .15510
 .798 2.290 -23670 .12120 .19140
 .798 4.935 -24970 .14370 .21950
 .799 8.062 -27270 .17170 .24650
 .800 10.105 -30070 .17550 .25540
 .798 12.085 -33590 .18230 .25740
 .798 15.111 -40710 .16190 .24130
 .801 17.085 -43560 .14450 .23600
 .800 19.038 -45360 .12340 .21880
 GRADIENT -00416 .01180 .01237

RUN NO. 902/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00
 MACH ALPHA CP240 CP12 CP13
 .899 -5.278 -31840 .05310 .11860
 .901 -1.251 -29580 .13990 .20990
 .900 2.311 -32720 .16680 .23630
 .898 4.937 -32510 .19600 .26680
 .896 8.065 -34960 .21870 .28790
 .896 10.086 -37190 .22260 .29300
 .893 12.139 -39340 .22400 .29660
 .900 15.123 -43170 .22260 .30050
 .899 17.102 -46930 .20940 .28800
 .902 19.062 -46560 .19100 .28150
 GRADIENT -00562 .01081 .01097

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OAI45 TABULATED FORCE DATA

PAGE 1836

(E2F085) (06 MAR 80)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

BETA = 2.000
ELEVON = .000
AILRON = .000
BDFLAP = .000
SPDBRK = 7.500
RUDDER = .000
RN/L = 5.000

RUN NO. 900/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.951	-5.322	-.37940	.10010	.16830
.950	-.263	-.35660	.17450	.24340
.951	2.301	-.36590	.20570	.27680
.953	4.932	-.32610	.23210	.30030
.953	8.061	-.35640	.25250	.32170
.951	10.129	-.38590	.25740	.32600
.952	12.137	-.41020	.26300	.32910
.951	15.160	-.45100	.25280	.32640
.949	17.095	-.46410	.24340	.32200
.950	19.061	-.46440	.22790	.31050
	GRADIENT	.00591	.01108	.01054

AMES 118-1-11 OAI45A 01

(E2F086) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 5.000
ELEVON = .000
AILRON = .000
BDFLAP = .000
SPDBRK = 7.500
RN/L = 5.000

RUN NO. 908/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
.598	-10.762	-.22880	.15170	.13130
.598	-4.939	-.22780	.14820	.12990
.598	-2.434	-.21930	.15310	.13550
.598	-.103	-.22500	.15150	.13030
.598	2.496	-.22120	.15210	.13380
.598	5.014	-.22160	.14790	.13290
.598	10.011	-.22490	.15180	.13260
	GRADIENT	.00059	.00045	.00028

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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(E2F086) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 BETA = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELEVON = .000 AILRON = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO BDFLAP = .000 SPDGRK = 7.500
 SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 503/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00
 MACH RUDDER CP240 CP12 CP13
 .901 -10.771 -.32940 .24540 .21570
 .901 -4.961 -.32930 .24350 .21270
 .900 -2.459 -.32850 .24370 .21270
 .901 -.110 -.32040 .24590 .21570
 .901 2.522 -.32180 .24470 .21460
 .901 5.014 -.32060 .24360 .21500
 .901 10.011 -.32370 .24400 .21460
 GRADIENT .00122 .00023 .00034

AMES 118-1-11 OAI45A 01

(E2F087) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO BETA = .000 ELEVON = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO BDFLAP = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPDGRK = 15.000 RUDDER = .000
 SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 705/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00
 MACH ALPHA CP225 CP228 CP231 CP234 CP237 CP240 CP243 CP246 CP12 CP13
 .599 -5.021 -.20040 -.19780 -.20230 -.19590 -.21240 -.21240 -.21390 -.21880 -.03930 -.03370
 .600 -.730 -.19290 -.19290 -.19620 -.19340 -.20230 -.20230 -.20200 -.20390 -.06950 -.05860
 .598 -.026 -.20030 -.19730 -.19990 -.19630 -.20610 -.20610 -.20910 -.20990 -.08040 -.06770
 .598 2.464 -.19840 -.19650 -.19910 -.19670 -.21590 -.21590 -.22180 -.22870 -.12080 -.10420
 .598 4.875 -.19870 -.19540 -.20280 -.19950 -.22620 -.22620 -.23990 -.25460 -.15020 -.13300
 .598 6.905 -.19780 -.19920 -.20160 -.19940 -.23610 -.23610 -.25530 -.27250 -.17670 -.15100
 .598 7.928 -.19960 -.19890 -.19790 -.19510 -.24660 -.24660 -.26250 -.29040 -.17690 -.15350
 .598 10.080 -.20020 -.20020 -.20470 -.20160 -.25590 -.25590 -.28290 -.31480 -.18470 -.15510
 .598 12.074 -.20400 -.20540 -.20760 -.19710 -.26810 -.26810 -.30530 -.33970 -.18470 -.15390
 .598 15.094 -.22520 -.22420 -.23040 -.22490 -.31670 -.31670 -.33800 -.34650 -.16710 -.12680
 GRADIENT -.00056 -.00019 -.00090 -.00090 -.00419 -.00419 -.00649 -.00891 -.01455 -.01343

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1075.6800	IN. YO
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. ZO
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. ZO
SCALE	=	.0500					

BETA
AILRON
SPOBRK
RN/L

ELEVON	-	.000
BDF LAP	-	.000
RUDDER	-	.000

PARAMETRIC DATA

RAIN NO.	699/ 0	RN/L = 4.93	GRADIENT INTERVAL = -5.00/ 5.00
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MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.798	-5.054	- .216X0	- .21930	- .21800	- .22050	- .23880	- .23880	- .24280	- .249X0	.02020	.02380
.801	- .045	- .20430	- .20260	- .20330	- .19900	- .22810	- .22810	- .22700	- .23210	.12960	.11450
.798	2.501	- .21250	- .20770	- .20350	- .20580	- .23770	- .23770	- .24740	- .25620	.16540	.1450
.799	5.043	- .20270	- .20200	- .20150	- .20270	- .24250	- .24250	- .26110	- .27440	.19830	.17340
.801	7.163	- .20420	- .20460	- .19820	- .20780	- .27400	- .27400	- .28670	- .30240	.21520	.18500
.801	8.158	- .20100	- .20460	- .19820	- .20780	- .27830	- .27830	- .29540	- .31620	.22300	.19070
.797	10.163	- .21290	- .21170	- .21000	- .20910	- .27830	- .27830	- .29540	- .31620	.23300	.19880
.799	12.191	- .20690	- .21010	- .21280	- .21130	- .28510	- .28510	- .30960	- .32340	.23440	.19250
.799	15.244	- .23190	- .22830	- .23000	- .23400	- .32850	- .32850	- .33350	- .33350	.22660	.18710
.803	66280	- .26280	- .26050	- .26410	- .26150	- .37490	- .37490	- .38490	- .39650	.01406	.01178
.	2.173	.08222	.09300	.09125	.00267	.00377	.00377	.00801	.00947		

RM NO	693/ 0	RN/L =	4.98	GRADIENT INTERVAL =	-5.00/	5.00
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MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.900	-5.101	-25170	-24580	-24770	-25120	-29160	-29160	-28900	-30730	.08510	.08730
.902	-2.970	-22700	-22790	-22670	-23240	-28160	-28160	-28810	-29170	.18100	.16140
.900	2.455	-23080	-22560	-22630	-23060	-30750	-30750	-30720	-32150	.37300	.18730
.901	4.988	-23120	-22260	-22490	-22400	-32370	-32370	-33320	-33850	.24300	.21210
.902	7.071	-23470	-23850	-22910	-23610	-32470	-32470	-33960	-34270	.22820	.22820
.901	8.097	-23640	-24050	-23910	-24630	-33280	-33280	-33630	-34520	.27070	.23310
.900	10.128	-24810	-24580	-24050	-24960	-33830	-33830	-34710	-35020	.27930	.23640
.902	12.172	-25780	-25600	-25970	-24810	-36180	-36180	-36350	-37070	.28270	.23710
.904	15.196	-28560	-28050	-29030	-28360	-40800	-40800	-41520	-42070	.27830	.23260
GRADIENT		.00083	.00104	.00035	.00165	-.00828	-.00828	-.00887	-.00921	.01219	.00997

PIIN NO	680/ 0	RN/L =	4.94	GRADIENT INTERVAL =	-5.00/	5.00
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MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.952	-4.960	-27780	-27890	-27100	-27890	-38230	-38230	-39210	-40100	.14140	.14550
.953	.083	-27080	-26750	-26770	-26570	-35800	-36540	-37580	-38090	.22110	.20090
.949	2.656	-26760	-26710	-26280	-27010	-36240	-36240	-38090	-39050	.24850	.22320
.946	5.202	-26050	-25750	-25830	-26030	-34010	-34010	-35270	-35940	.27460	.22050
.945	7.290	-25370	-25180	-25420	-26650	-34430	-34430	-35600	-35530	.29340	.25600
.947	8.261	-25290	-25290	-25620	-26250	-34880	-34880	-36000	-37030	.29810	.26140
.950	10.352	-25660	-25800	-25860	-26370	-36330	-36330	-36520	-37380	.30860	.26590
.943	12.388	-28280	-29200	-29190	-29320	-37960	-37960	-40090	-40750	.30860	.26190
.939	15.425	-33040	-32360	-33370	-33390	-42760	-42760	-44340	-45400	.29880	.24970
	GRADIENT	.00135	.00165	.00102	.00136	.00292	.00292	.00200	.00188	.01430	.01045

(E2F087) (08 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPDBRK = 15.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 679/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.199	-4.855	-29500	-29530	-29520	-29480	-29000	-29000	-29230	-29630	-32960	-34210
1.196	.082	-29780	-29840	-29710	-29860	-29720	-29720	-30090	-30230	-37610	-34830
1.202	2.679	-29110	-29300	-29110	-29210	-29750	-29750	-30260	-31000	-39970	-35700
1.197	5.253	-30600	-30530	-30540	-30560	-31790	-31790	-31610	-32010	-40950	-36680
1.196	7.191	-30910	-30950	-30660	-31090	-30410	-30410	-31540	-31590	-42230	-36410
1.198	8.218	-30980	-31070	-30770	-31200	-31720	-31720	-31990	-31890	-42380	-36340
1.198	10.353	-30760	-30670	-30840	-31140	-31790	-31790	-32480	-32300	-43100	-36770
1.195	12.408	-30750	-30850	-31170	-31120	-31870	-31870	-32520	-32920	-43450	-36770
1.186	15.444	-33890	-34210	-34080	-34120	-34240	-34240	-35130	-35350	-42770	-35750
	GRADIENT	.00038	.00018	.00042	.00021	.00106	.00106	.00142	.00174	.00932	.00188

RUN NO. 666/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.402	-4.088	-28270	-28370	-28410	-28400	-28660	-28660	-28980	-29340	-40860	-42800
1.406	.074	-28310	-28260	-28190	-28300	-28610	-28610	-28800	-29140	-44210	-43540
1.401	2.457	-29190	-28950	-29090	-29020	-29460	-29460	-29970	-30180	-45720	-44620
1.399	5.049	-29940	-29790	-29770	-29850	-30180	-30280	-30730	-31030	-47750	-44210
1.399	7.093	-30730	-30840	-30830	-30910	-30990	-30990	-31280	-31360	-49230	-45000
1.403	8.128	-30780	-30880	-31030	-31050	-31150	-31150	-31530	-31610	-49340	-45760
1.399	10.176	-31510	-31510	-31590	-31690	-31580	-31580	-31740	-32030	-49380	-45230
1.399	12.197	-32190	-32260	-32230	-32230	-31710	-31710	-31830	-32110	-49930	-44970
1.402	15.229	-33140	-33170	-33180	-33260	-31630	-31630	-31880	-32290	-50400	-45150
1.400	GRADIENT	.00129	.00078	.00089	.00084	.00110	.00110	.00133	.00112	.00751	.00270

OAI15 TABULATED FORCE DATA

AMES 118-1-11 OAI45A 01

(E2F088) (08 JUL 77)

DATE 10 MAR 80

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BOFLAP = .000
SPDBRK = 15.000 RUDDER = .000
RN/L = 5.000

RUN NO. 703/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.597	-6.068	-20840	-20810	-20810	-20650	-23420	-23420	-24610	-25920	-29630	-01270
.597	-1.938	-20460	-19840	-19890	-19890	-23050	-23050	-24240	-25670	-20250	-08460
.597	-.899	-19410	-18980	-19150	-19310	-22890	-22890	-23670	-25070	-17890	-11180
.597	.027	-20400	-20370	-20350	-20110	-22910	-22910	-24310	-26020	-15310	-13210
.597	.488	-20490	-20420	-19730	-19970	-22650	-22650	-24500	-25780	-14480	-14630
.597	1.021	-20440	-20210	-19920	-20440	-23980	-23980	-24710	-25850	-12870	-15750
.597	2.088	-20090	-20430	-20020	-20310	-23590	-23590	-24090	-26040	-10340	-18100
.597	3.130	-20620	-20360	-20550	-20460	-23360	-23360	-24530	-26120	-07850	-20820
.597	4.160	-20720	-20640	-20620	-20690	-24000	-24000	-24980	-26380	-05300	-22840
.597	6.220	-21100	-20980	-20860	-20670	-23520	-23520	-24850	-26230	-00810	-28300
.597	GRADIENT	-00096	-00174	-00168	-00173	-00168	-00168	-00126	-00149	-02463	-02364

RUN NO. 698/ 0 RN/L = 4.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.798	-6.115	-21730	-21950	-21440	-21590	-24950	-24950	-26320	-27610	-34210	-01640
.798	-1.977	-20240	-20410	-20430	-20320	-24970	-24970	-25530	-27190	-24760	-11670
.798	-.939	-20570	-20460	-20080	-19730	-24780	-24780	-25530	-27280	-22170	-14490
.800	.116	-19660	-20270	-20040	-20640	-24650	-24650	-25950	-26710	-19480	-16970
.798	.614	-21160	-20080	-20650	-20970	-24830	-24830	-26460	-27990	-18630	-18300
.798	1.142	-20540	-20780	-20630	-20930	-25130	-25130	-26000	-27380	-17200	-19540
.798	2.182	-21370	-21240	-21090	-20880	-25280	-25280	-27160	-28020	-14640	-22250
.797	3.225	-21910	-21420	-21440	-21260	-25600	-25600	-26700	-28560	-11790	-24820
.799	4.265	-21200	-22070	-21640	-21880	-25740	-25740	-26960	-29170	-09230	-27360
.799	6.333	-22940	-23300	-22230	-23090	-25630	-25630	-27690	-29170	-04180	-32750
.795	GRADIENT	-00242	-00281	-00254	-00270	-00161	-00161	-00263	-00166	-02483	-02507

RUN NO. 692/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.901	-6.132	-22350	-22250	-22300	-22060	-28460	-28460	-29860	-30620	-39230	-06360
.902	-1.975	-22230	-21570	-21830	-21830	-30960	-30960	-32580	-33330	-29260	-16180
.899	-.920	-22560	-22070	-22380	-22370	-32320	-32320	-34060	-33990	-26670	-18450
.898	.007	-22870	-22650	-22740	-23170	-32080	-32080	-33060	-33940	-24890	-21450
.898	.642	-23400	-22070	-22370	-22760	-32740	-32740	-33060	-34150	-22710	-22220
.898	1.176	-23610	-23780	-23680	-23230	-32210	-32210	-33000	-33810	-21360	-23710
.899	2.216	-23790	-23460	-23200	-23880	-32070	-32070	-32830	-33110	-19210	-26710
.899	3.266	-24400	-24310	-23880	-23640	-31480	-31480	-32580	-33120	-17140	-29770
.898	4.309	-25550	-25200	-24820	-24740	-33500	-33500	-34740	-34270	-14370	-31620
.898	6.379	-26190	-26640	-26210	-27060	-33980	-33980	-34660	-35240	-09390	-37300
.898	GRADIENT	-00494	-00563	-00417	-00410	-00190	-00190	-00113	-00000	-02355	-02527

DATE 10 MAR 80

OAI145 TABULATED FORCE DATA

PAGE 1841

AMES 118-1-11 OAI145A 01

(E2F088) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BDELAP = .000
 SPDBRK = 15.000 RUDDER = .000
 RN/L = 5.000

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP249	CP252
.952	-6.112	-25130	-25370	-25330	-24920	-33100	-33100	-33910	-35450	-42440	.09360
.951	-1.964	-23900	-23930	-23340	-24060	-32320	-32320	-33940	-34660	-32840	.19530
.950	-1.919	-24480	-24800	-24700	-23710	-32740	-32740	-33880	-34070	-30430	.22190
.952	.025	-25160	-25480	-25080	-24750	-33160	-33160	-34940	-35370	-27950	.24590
.950	.538	-24650	-24280	-24840	-25060	-33550	-33550	-34800	-35320	-26680	.25780
.952	1.067	-23820	-24870	-24890	-24680	-32740	-32740	-33890	-34660	-25850	.27380
.950	2.140	-24830	-24660	-24960	-24500	-33300	-33300	-33530	-34940	-23400	.29860
.949	3.190	-25410	-25620	-25720	-25700	-34290	-34290	-35420	-36470	-20420	.32190
.950	4.226	-26930	-26460	-26530	-25610	-35070	-35070	-36300	-37240	-18290	.34980
.948	6.307	-28490	-27930	-28270	-28490	-36640	-36640	-37480	-39050	-13350	.40550
	GRADIENT	-0.00370	-0.00302	-0.00397	-0.00281	-0.00392	-0.00392	-0.00296	-0.00416	-0.02356	.02481

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP249	CP252
1.200	-6.191	-31000	-31080	-30840	-31050	-31280	-31280	-31600	-31570	-54940	.26340
1.201	-2.054	-30540	-30570	-30400	-30460	-30700	-30700	-30630	-31110	-45810	.31320
1.198	-1.016	-30340	-30460	-30410	-30600	-30640	-30640	-31020	-31410	-43540	.33370
1.199	.110	-30140	-30080	-30050	-30220	-31240	-31240	-31250	-31360	-41410	.35930
1.199	.689	-30420	-30450	-30290	-30350	-31090	-31090	-31520	-31930	-40160	.37570
1.199	1.167	-30540	-30700	-30480	-30480	-31070	-31070	-31750	-32210	-39290	.38860
1.200	2.197	-30730	-30540	-30400	-30640	-30990	-30990	-31640	-32120	-37580	.41570
1.199	3.241	-30360	-30610	-30460	-30710	-30950	-30950	-31730	-32170	-35250	.44130
1.199	4.285	-30770	-30660	-30650	-30800	-31230	-31230	-31880	-32220	-33280	.46620
1.197	6.357	-31280	-31780	-31720	-31520	-31730	-31730	-31990	-32550	-30000	.52080
	GRADIENT	-0.00045	-0.00035	-0.00041	-0.00058	-0.00065	-0.00065	-0.00185	-0.0187	-0.01956	.02468

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP249	CP252
1.401	-6.115	-29610	-29750	-29610	-29650	-30010	-30010	-30250	-30530	-57810	.35500
1.405	-1.971	-29650	-29810	-29830	-29890	-30240	-30240	-30200	-30660	-50070	.42200
1.404	-1.913	-29360	-29320	-29420	-29390	-29850	-29850	-30130	-30480	-48870	.43390
1.403	.148	-29390	-29550	-29790	-29600	-29940	-29940	-30200	-30270	-48030	.44510
1.403	.624	-29510	-29510	-29460	-29360	-29890	-29890	-30200	-30500	-47580	.44780
1.403	1.158	-29500	-29520	-29460	-29650	-29950	-29950	-30030	-30340	-46990	.45070
1.402	2.218	-29560	-29550	-29510	-29670	-29780	-29780	-30100	-30400	-46730	.46380
1.402	3.272	-29420	-29470	-29460	-29500	-29570	-29570	-30040	-30260	-44960	.48240
1.402	4.321	-29680	-29620	-29420	-29620	-29830	-29830	-30050	-30510	-41410	.49810
1.399	6.405	-29030	-29040	-28990	-29120	-28940	-28940	-29340	-29510	-34600	.54740
	GRADIENT	-0.00013	-0.00008	-0.00047	-0.00014	-0.00066	-0.00066	-0.00029	-0.00027	-0.01201	.01177

REFERENCE DATA

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BREF = 936.6800 INCHES

SCALE = .0500

XMRP = 1076.6800 IN. XO

YMRP = .0000 IN. YO

ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

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BETA = .000

ELEVON = .000

BDFLAP = .000

RN/L = 5.000

SPDBRK = 15.000

RUN NO. 700/ 0		RN/L = 4.95		GRADIENT INTERVAL = -5.00/ 5.00	
MACH		RUDDER		CP240	
.597		-14.970		-21240	
.598		-10.691		-21020	
.597		-4.961		-21000	
.597		-2.418		-20110	
.597		-1.123		-20560	
.597		2.505		-20380	
.598		5.024		-20610	
.597		10.027		-21250	
.597		15.031		-21530	
.596		18.143		-21700	
.597		22.836		-22270	
		GRADIENT		.00058	
				CP12	
				.08310	
				.07760	
				.07850	
				.08150	
				.07800	
				.06850	
				.06960	
				.06790	
				.06440	
				.06670	
				.06860	
				.06730	
				CP13	
				.07290	
				.06960	
				.06550	
				.07170	

RUN NO. 694/ 0		RN/L = 4.92		GRADIENT INTERVAL = -5.00/ 5.00	
MACH		RUDDER		CP240	
.800		-14.965		-23620	
.798		-10.780		-23880	
.799		-4.947		-22910	
.799		-2.418		-23610	
.798		-1.103		-23300	
.799		2.496		-23310	
.800		5.024		-22920	
.799		10.003		-23500	
.798		15.199		-23920	
.799		18.161		-24160	
.798		22.827		-24720	
		GRADIENT		-.00037	
				CP12	
				.13200	
				.12620	
				.12920	
				.12540	
				.12700	
				.12580	
				.11200	
				.12650	
				.12900	
				.12690	
				.12460	
				CP13	
				.11630	
				.10890	
				.11120	
				.10740	
				.10780	
				.10870	
				.10970	
				.10860	
				.10820	
				.10730	
				-.00029	

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(EF089) (06 MAR 80)

REFERENCE DATA

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 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPDBRK = 15.000
 RN/L = 5.000

RUN NO. 688/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
.900	-14.955	-.28690	.18110	.16470
.899	-10.736	-.29050	.17930	.15880
.901	-4.961	-.29190	.17760	.15800
.900	-2.442	-.28730	.17840	.15830
.899	-.116	-.28520	.17890	.15660
.902	2.513	-.28140	.18030	.16130
.900	5.005	-.28800	.17850	.15720
.899	10.019	-.28190	.17850	.15930
.901	14.996	-.28290	.18150	.16000
.900	18.107	-.28190	.18040	.15900
.899	22.836	-.28630	.17850	.15870
	GRADIENT	.00136	.00035	.00040

RUN NO. 685/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
.950	-14.965	-.36370	.21930	.20090
.951	-10.762	-.35590	.21980	.20110
.952	-4.947	-.35550	.22050	.20050
.952	-2.451	-.35310	.21990	.20060
.951	-.116	-.35660	.21790	.19870
.951	2.488	-.35730	.21740	.19850
.950	5.024	-.35720	.21760	.19820
.950	10.027	-.36240	.21720	.19720
.951	15.005	-.36410	.21760	.19790
.949	18.107	-.36480	.21750	.19640
.950	22.836	-.36480	.21960	.19880
	GRADIENT	-.00036	-.00046	-.00032

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REFERENCE DATA

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BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = .000
ELEVON = .000
BOFLAP = .000
RN/L = 5.00
BETA = .000
AILRON = .000
SPOBRK = 15.000

RUN NO. 673/ 0 RN/L = 5.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
1.200	-14.965	-30590	.38540	.35120
1.200	-10.771	-30260	.38470	.35010
1.201	-4.947	-29620	.38550	.35120
1.201	-2.426	-29050	.38680	.35300
1.200	-1.141	-29200	.38500	.35140
1.200	2.531	-28940	.38560	.35220
1.200	5.005	-29390	.38520	.35110
1.199	9.987	-30010	.38460	.35050
1.200	15.014	-30180	.38500	.35110
1.199	18.116	-30490	.38450	.34990
1.197	22.846	-30780	.38270	.34920
	GRADIENT	.00077	-.00006	.00006

RUN NO. 670/ 0 RN/L = 4.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
1.404	-14.970	-29800	.44560	.43910
1.404	-10.736	-29290	.44380	.43690
1.404	-4.954	-28840	.44370	.43550
1.403	-2.434	-28520	.44290	.43760
1.403	-1.141	-28730	.44170	.43360
1.403	2.522	-28690	.44310	.43580
1.403	5.014	-28730	.44400	.43660
1.404	10.003	-29140	.44400	.43790
1.403	15.031	-29580	.44340	.43840
1.402	18.116	-30080	.44280	.43380
1.402	22.818	-30020	.44620	.43690
	GRADIENT	.00010	-.00012	-.00011

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AMES 118-1-11 OAI45A 01

(E2FY89) (19 JUL 77)

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 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 0 / 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.597	-14.970	-20520	-20810	-20310	-20380	-21240	-21240	-21270	-21550	.08310	.07290
.598	-10.691	-20440	-20250	-20220	-19890	-21020	-21020	-21310	-21280	.07760	.06960
.597	-4.961	-20320	-20210	-20280	-20040	-21000	-21000	-21350	-21610	.07850	.06550
.597	-2.418	-19640	-19780	-19880	-19610	-20110	-20110	-20730	-20900	.08150	.07170
.597	-1.123	-19970	-19710	-19970	-20210	-20560	-20560	-20790	-20790	.07800	.06650
.597	2.505	-19790	-19840	-19810	-19910	-20380	-20380	-20690	-20520	.08030	.06960
.598	5.024	-20100	-19980	-19980	-19740	-20610	-20610	-20700	-21080	.07980	.06790
.597	10.027	-20710	-20680	-20680	-20380	-21250	-21250	-21280	-21370	.07810	.06440
.597	15.031	-20950	-20900	-20920	-20660	-21530	-21530	-21550	-21360	.07970	.06670
.596	18.143	-21760	-21570	-21570	-21590	-21700	-21700	-21670	-21890	.08000	.06660
.597	22.836	-22600	-22200	-22130	-22410	-22270	-22270	-22350	-22180	.07970	.06630
	GRADIENT	.00052	.00048	.00054	.00007	.00058	.00058	.00078	.00137	.00009	.00030

ALPHA = .000
 ELEVON = .000
 BDFLAP = .000
 RN/L = 5.000

PARAMETRIC DATA

BETA = .000
 AILRON = .000
 SPOBRK = 15.000

REFERENCE DATA

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 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 702 / 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.598	-14.960	-21050	-20720	-21030	-20810	-23820	-23820	-25080	-26360	.15080	.13000
.598	-10.754	-20170	-20270	-20120	-20100	-23210	-23210	-24250	-25870	.15180	.13220
.597	-4.939	-19950	-20140	-20160	-20380	-23110	-23110	-24150	-25860	.15130	.13140
.597	-2.426	-20010	-20090	-19820	-20090	-22890	-22890	-24310	-25590	.15180	.13280
.597	-0.966	-20040	-19940	-19900	-20130	-23140	-23140	-24280	-25370	.15170	.13000
.597	2.496	-19840	-20150	-20110	-20220	-22690	-22690	-24550	-25450	.15130	.13320
.597	5.005	-20300	-20250	-20060	-20030	-22960	-22960	-24960	-25450	.14990	.13240
.597	10.019	-20100	-20100	-20060	-20530	-23140	-23140	-24190	-25850	.14940	.13160
.597	15.031	-20800	-21000	-21070	-21350	-23250	-23250	-24490	-25910	.15120	.13100
.596	18.143	-21290	-21290	-21340	-21390	-23690	-23690	-24680	-25960	.15130	.13010
.597	22.836	-21420	-21660	-21660	-21490	-23650	-23650	-24990	-26190	.14990	.13260
	GRADIENT	.00012	.00004	.00003	.00018	.00042	.00042	.00048	.00058	-.00000	.00011

ALPHA = .000
 ELEVON = .000
 BDFLAP = .000
 RN/L = 5.000

PARAMETRIC DATA

BETA = .000
 AILRON = .000
 SPOBRK = 15.000

(E2F090) (08 JUL 77)

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(E2F090) (08 JUL 77)

REFERENCE DATA

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 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPDBRK = .000
 RN/L = 5.000

RUN NO. 696/ 0 RN/L = 4.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.799	-14.960	-21690	-21540	-21030	-21250	-25640	-25640	-26770	-28000	.19670	.16900
.799	-10.736	-21620	-21530	-21620	-21030	-25640	-25640	-26590	-27460	.19330	.16850
.800	-2.442	-19940	-20540	-20430	-20050	-24730	-24730	-25940	-26930	.19520	.16990
.799	-1.316	-20900	-20540	-20830	-20980	-24700	-24700	-26430	-27530	.19760	.17080
.799	.123	-20580	-20290	-20470	-20160	-24950	-24950	-25730	-27390	.19460	.16810
.800	2.496	-20770	-20270	-20600	-20500	-24850	-24850	-25230	-27670	.19640	.16920
.799	5.014	-20860	-21080	-20800	-20330	-25170	-25170	-26010	-27350	.19500	.16540
.799	10.011	-21200	-20650	-20880	-21300	-24860	-24860	-26090	-27280	.19560	.16960
.799	15.005	-21250	-21530	-21820	-21700	-25400	-25400	-26390	-28020	.19470	.16840
.799	18.125	-22110	-21680	-22080	-22210	-25150	-25150	-26390	-28430	.19390	.17000
.800	22.818	-22440	-22780	-23000	-22380	-25600	-25600	-26680	-27360	.19670	.16830
	GRADIENT	-00117	-00029	-00008	-00030	-00031	-00031	-00189	-00121	.00007	-00024

RUN NO. 690/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.900	-14.965	-24550	-24250	-23940	-24620	-33150	-33150	-33860	-34140	.24150	.21260
.900	-10.754	-23690	-23670	-23620	-23590	-32660	-32660	-34300	-34850	.24220	.21310
.902	-4.924	-22490	-23080	-22750	-22610	-31430	-31430	-33510	-33820	.24450	.21570
.900	-2.451	-23250	-22960	-23370	-22420	-32180	-32180	-33380	-34310	.24200	.21230
.900	.103	-22910	-23010	-22990	-22960	-32250	-32250	-32850	-34520	.24290	.21140
.839	2.496	-22390	-22250	-22440	-22960	-32130	-32130	-33370	-34560	.24310	.21250
.900	5.014	-22940	-22960	-22700	-22750	-31840	-31840	-33250	-34390	.24070	.21220
.899	10.011	-24110	-24360	-23850	-23970	-32950	-32950	-34810	-35000	.23730	.20820
.899	15.014	-24740	-24130	-24150	-24150	-32880	-32880	-34780	-34570	.23760	.20820
.900	18.134	-24630	-24090	-24270	-24730	-32690	-32690	-34030	-34480	.23970	.20980
.900	22.846	-24240	-24560	-25240	-24550	-32820	-32820	-33840	-34750	.23980	.21060
	GRADIENT	.00027	.00100	.00014	-00064	-00088	-00088	.00037	-00098	-00013	-00042

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(E2F090) (08 JUL 77)

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 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPDRK = 15.000
 RN/L = 5.000

RUN NO. 684/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.951	-14.970	-26290	-26870	-26660	-26770	-34360	-34360	-36230	-36630	.27710	.24620
.951	-10.745	-25930	-25760	-25640	-26000	-33930	-33930	-35250	-35800	.27770	.24560
.951	-4.932	-25240	-25420	-25170	-24520	-33700	-33700	-34520	-35610	.27650	.24480
.950	-2.451	-25050	-24500	-25260	-24950	-33540	-33540	-35430	-35510	.27730	.24410
.951	-.056	-24790	-25280	-24710	-24540	-33460	-33460	-34910	-35500	.27670	.24460
.951	2.496	-24940	-25270	-25310	-24470	-33740	-33740	-34570	-35270	.27570	.24380
.952	5.005	-24850	-25050	-23850	-24530	-33410	-33410	-34540	-34870	.27870	.24650
.951	10.011	-25330	-25450	-25400	-25350	-33860	-33860	-34980	-35800	.27730	.24580
.949	15.005	-26700	-26480	-26160	-25900	-34430	-34430	-35600	-36600	.27630	.24350
.950	18.125	-27360	-26490	-26820	-26170	-34740	-34740	-35900	-36610	.27460	.24250
.950	22.836	-27160	-27190	-26770	-26960	-34470	-34470	-35000	-36230	.27740	.24570
	GRADIENT	.01047	-0.0013	.00004	.00023	-0.0002	-0.0002	.00015	.00042	-0.00012	-0.00010

RUN NO. 676/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.198	-14.970	-31750	-31680	-31610	-31750	-32070	-32070	-32310	-32780	.41640	.36160
1.198	-10.771	-31540	-31740	-31400	-31210	-31800	-31800	-32560	-33050	.41460	.35900
1.200	-4.947	-30600	-30430	-30260	-30320	-31580	-31580	-31510	-31970	.41800	.36040
1.201	-2.442	-30150	-30140	-30110	-30110	-30810	-30810	-31310	-31340	.41900	.36220
1.199	-.132	-29950	-30110	-30110	-30180	-30840	-30840	-31070	-31740	.41710	.36100
1.200	2.505	-30680	-30170	-30030	-30190	-31260	-31260	-31260	-32620	.41720	.36140
1.200	4.996	-30150	-30290	-30520	-30470	-30900	-30900	-31730	-31580	.41780	.36150
1.199	10.019	-31220	-31200	-31410	-31490	-31720	-31720	-32010	-33120	.41730	.36100
1.200	15.022	-31800	-31580	-31670	-31100	-32000	-32000	-32480	-32480	.41730	.36200
1.199	18.125	-32150	-31950	-32150	-31960	-32780	-32780	-33300	-32770	.41540	.35970
1.200	22.846	-32630	-32820	-32210	-32210	-32740	-32740	-32930	-33440	.41760	.36070
	GRADIENT	.00014	.00010	-0.00018	-0.00015	.00036	.00036	-0.00016	-0.00020	-0.00009	-0.00006

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

PAGE 1848

(E2F080) (06 JUL 77)

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

ALPHA =
ELEVON =
BDFLAP =
RN/L =

BETA = .000
AILRON = .000
SPDBRK = 15.000
5.000
.000
5.000

PARAMETRIC DATA

RUN NO. 669/ 0 RN/L = 4.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.403	-14.976	-31110	-30870	-31010	-30930	-31230	-31230	-31490	-31770	.48190	.44570
1.402	-10.727	-30630	-30520	-30120	-30570	-30890	-30890	-31090	-31360	.47830	.44400
1.401	-4.924	-30080	-30010	-29740	-29960	-30260	-30260	-30780	-30730	.47940	.44480
1.403	-2.451	-29580	-29730	-29400	-29840	-30020	-30020	-30470	-30520	.48140	.44500
1.403	-1.141	-29600	-29660	-29400	-29580	-29780	-29780	-30060	-30420	.48120	.44530
1.403	2.488	-29730	-29730	-29730	-29820	-30030	-30030	-30280	-30570	.48040	.44460
1.403	5.014	-29710	-29830	-29820	-29850	-30080	-30080	-30330	-30690	.48060	.44600
1.403	10.011	-30320	-30270	-30390	-30450	-30590	-30590	-30760	-31010	.47970	.44610
1.404	15.005	-30940	-30730	-30800	-30820	-31080	-31080	-31180	-31490	.47980	.44510
1.403	18.143	-31070	-31290	-31130	-31200	-31210	-31210	-31500	-31930	.48110	.44590
1.403	22.836	-31590	-31570	-31560	-31600	-31580	-31580	-32000	-32270	.47930	.44560
1.403	GRADIENT	.00041	.00037	.00060	.00027	.00037	.00037	.00077	.00023	.00011	-.00001

AMES 118-1-11 0A145A 01

(E2F091) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

ALPHA =
ELEVON =
BDFLAP =
RN/L =

BETA = .000
AILRON = .000
SPDBRK = 15.000
10.000
.000
5.000

PARAMETRIC DATA

RUN NO. 701/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
.598	-14.993	-28290	.18480	.19390
.598	-10.745	-25780	.18670	.19420
.597	-4.939	-26050	.18320	.15260
.597	-2.418	-26460	.18100	.14850
.598	-1.141	-25970	.18530	.15180
.598	2.522	-26210	.18060	.15090
.597	5.024	-25890	.18020	.15290
.597	10.011	-25930	.18470	.15350
.597	15.014	-26290	.18070	.15130
.598	18.125	-25310	.18680	.15960
.597	22.836	-26930	.18280	.14990
.597	GRADIENT	-.00001	-.00016	-.00009

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

PAGE 1849

(E2F091) (05 MAR 80)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = .000
 ELEVON = .000
 BOFLAP = .000
 RN/L = 5.000
 BETA = .000
 AILRON = .000
 SPDBRK = 15.000

RUN NO. 695/ 0 RN/L = 4.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
.798	-14.960	-.30110	.23030	.19420
.799	-10.754	-.29530	.23190	.19610
.799	-4.961	-.29180	.23510	.19620
.799	-2.434	-.29350	.22960	.19550
.799	-.123	-.29210	.23250	.19550
.800	2.513	-.28930	.23170	.19610
.798	5.014	-.29360	.22900	.19350
.800	10.067	-.30040	.22910	.19090
.800	14.996	-.29470	.23030	.19570
.799	18.116	-.29060	.23250	.19720
.801	22.827	-.29540	.23560	.19670
	GRADIENT	.00036	-.00030	-.00001

RUN NO. 687/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
.901	-14.965	-.33510	.28550	.24400
.900	-10.754	-.34580	.28050	.23630
.899	-4.961	-.33630	.27720	.23830
.901	-2.434	-.33560	.28100	.23990
.899	-.089	-.34370	.27260	.23440
.899	2.522	-.33820	.27760	.23640
.899	4.996	-.33660	.27730	.23740
.900	10.003	-.34000	.27790	.23860
.900	15.005	-.34090	.27930	.23790
.900	18.134	-.34200	.27750	.23810
.900	22.808	-.34190	.27770	.23850
	GRADIENT	-.00012	-.00012	-.00021

DATE 10 MAR 80

OAI145 TABULATED FORCE DATA

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AMES 118-1-11 OAI145A 01

(E2F091) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPDBRK = 15.000
 RN/L = 5.000

RUN NO. 671/ 0 RN/L = 4.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
1.395	-14.965	-.32710	.49570	.44880
1.396	-10.736	-.32270	.49500	.44900
1.398	-4.932	-.31660	.49760	.45200
1.399	-2.434	-.31650	.49620	.45050
1.400	-.123	-.31270	.49840	.45370
1.401	2.496	-.31450	.49710	.45230
1.401	5.005	-.31620	.49710	.45230
1.401	10.035	-.31950	.49610	.45180
1.402	14.996	-.32190	.49730	.45300
1.402	18.125	-.32420	.49550	.45200
1.403	22.808	-.32840	.49400	.45120
	GRADIENT	.00040	.00002	.00016

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1073.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPDBRK = 15.000
 RN/L = 5.000

RUN NO. 0/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.598	-14.993	-.20770	-.20770	-.20340	-.20800	-.26290	-.26290	-.28330	-.30940	.18480	.15360
.598	-10.745	-.19830	-.20210	-.20590	-.20400	-.25780	-.25780	-.28380	-.31180	.18670	.15620
.597	-4.939	-.20320	-.19580	-.20050	-.20460	-.26050	-.26050	-.28900	-.31660	.18320	.15260
.597	-2.418	-.20760	-.19880	-.20520	-.20120	-.26460	-.26460	-.28860	-.32020	.18100	.14860
.598	-.141	-.19500	-.19860	-.19930	-.20120	-.25970	-.25970	-.28270	-.30990	.18530	.15180
.598	2.522	-.20270	-.19600	-.19840	-.20550	-.26210	-.26210	-.28940	-.31520	.18060	.15090
.597	5.024	-.20910	-.20650	-.20580	-.20460	-.25890	-.25890	-.28360	-.31800	.18020	.15290
.597	10.011	-.20780	-.20370	-.20320	-.20750	-.25930	-.25930	-.28220	-.31590	.18470	.15350
.597	15.014	-.20740	-.20380	-.20720	-.20880	-.26290	-.26290	-.29430	-.31590	.18070	.15130
.598	18.125	-.20990	-.20940	-.21410	-.20890	-.25310	-.25310	-.27780	-.31480	.18680	.15960
.597	22.836	-.21890	-.21630	-.21510	-.21770	-.26930	-.26930	-.29040	-.31730	.18280	.14990
	GRADIENT	.00053	-.00001	.00050	-.00012	-.00001	-.00001	.00016	.00055	-.00016	-.00009

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

(E2F092) (06 MAR 80)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPDBRK = 15.000
 RN/L = 5.000

RUN NO. 675/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
1.199	-14.976	-33870	.44130	.36460
1.198	-10.736	-33550	.44060	.36440
1.200	-4.954	-33250	.44240	.36620
1.201	-2.451	-33000	.44160	.36690
1.201	-1.132	-32980	.44290	.36750
1.200	2.505	-32930	.44230	.36790
1.200	4.996	-33110	.44230	.36750
1.200	10.019	-33230	.44120	.36870
1.199	15.022	-33690	.43980	.36690
1.200	18.116	-33810	.44070	.36790
1.200	22.818	-33950	.43980	.36840
	GRADIENT	.00014	.00002	.00014

RUN NO. 672/ 0 RN/L = 4.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
1.392	-14.993	-32120	.50420	.45190
1.394	-10.745	-31650	.50550	.45350
1.393	-4.954	-31630	.50240	.45150
1.393	-2.426	-31440	.50380	.45170
1.393	-.036	-31400	.50290	.45240
1.394	2.513	-31480	.50340	.45170
1.393	5.014	-31490	.50450	.45280
1.393	10.003	-31820	.50130	.45190
1.393	14.976	-31710	.50390	.45370
1.393	18.107	-31860	.50270	.45240
1.393	22.836	-31990	.50270	.45360
	GRADIENT	.00020	.00009	.00005

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

PAGE 1853

AMES 118-1-11 0A145A 01

(EEF093) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. X0
 LREF = 474.8100 INCHES YMRP = .0000 IN. Y0
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. Z0
 SCALE = .0500

PARAMETRIC DATA

ALPHA = .000
 AILRON = .000
 SPDBRK = .000
 RUDDER = .000
 ELEVON = .000
 BOFLAP = .000
 RUDDER = -5.000

MACH	BETA	CR225	CR228	CR231	CR234	CR237	CR240	CR243	CR246	CR12	CR13
.597	-6.045	-21140	-20880	-20970	-20800	-23350	-23350	-24710	-25820	.29570	-.01250
.597	-1.935	-19810	-19910	-19760	-19860	-22900	-22900	-24420	-25370	.20200	.08620
.597	-.899	-20190	-19740	-20260	-19930	-23010	-23010	-24120	-25930	.17600	.10980
.598	.029	-19910	-20010	-19750	-19560	-22980	-22980	-24430	-25800	.15310	.13320
.597	.551	-20350	-20180	-20180	-20180	-22950	-22950	-24640	-25800	.14180	.14620
.597	1.038	-20350	-20370	-19800	-19940	-23030	-23030	-24430	-26050	.12660	.15690
.597	2.105	-20210	-20300	-20280	-20190	-23560	-23560	-24730	-26340	.10280	.18260
.598	3.141	-20320	-19990	-20300	-20800	-23260	-23260	-24510	-25900	.07960	.20890
.598	4.169	-20910	-20950	-21240	-20980	-23150	-23150	-24400	-26270	.05410	.23330
.598	6.225	-22070	-21670	-21430	-21570	-23920	-23920	-25460	-26810	.00450	.28120
	GRADIENT	-.00133	-.00136	-.00178	-.00201	-.00067	-.00067	-.00032	-.00113	-.02413	.02419

MACH	BETA	CR225	CR228	CR231	CR234	CR237	CR240	CR243	CR246	CR12	CR13
.799	-6.086	-21270	-21310	-21350	-21520	-24560	-24560	-25660	-27160	.34110	.01870
.797	-1.945	-20640	-20200	-20580	-20200	-24670	-24670	-26550	-27910	.24340	.11860
.799	-.908	-20490	-20170	-20640	-20360	-24880	-24880	-25410	-26910	.22010	.14590
.800	.165	-20300	-20130	-20730	-20600	-24770	-24770	-25960	-27210	.19200	.17110
.798	.657	-20720	-21240	-21100	-21030	-25240	-25240	-26610	-27750	.18410	.18290
.798	1.178	-21630	-20930	-20980	-21840	-25580	-25580	-26990	-28350	.16830	.19630
.797	2.219	-21890	-21510	-21930	-21830	-25910	-25910	-27240	-28460	.14260	.22180
.797	3.261	-22220	-21870	-22180	-22140	-26670	-26670	-27390	-28510	.11820	.24460
.797	4.299	-22380	-22210	-22310	-21890	-26080	-26080	-27280	-28490	.09570	.27450
.796	6.367	-23110	-23480	-23080	-23550	-26430	-26430	-27470	-29650	.04190	.32760
	GRADIENT	-.00359	-.00364	-.00326	-.00339	-.00309	-.00309	-.00254	-.00214	-.02395	.02456

MACH	BETA	CR225	CR228	CR231	CR234	CR237	CR240	CR243	CR246	CR12	CR13
.900	-6.130	-22790	-22620	-22620	-22260	-29330	-29330	-29940	-30680	.38890	.05540
.900	-1.964	-22000	-22330	-22510	-22510	-30900	-30900	-32540	-33630	.29130	.16120
.899	-.916	-22120	-22660	-22550	-22930	-31870	-31870	-33610	-33600	.26710	.18810
.899	.133	-23360	-22870	-23240	-23030	-32370	-32370	-34010	-34800	.24080	.21250
.900	.645	-22860	-22930	-23120	-22710	-32570	-32570	-33210	-33690	.22910	.22550
.900	1.174	-23710	-23470	-22860	-23310	-31270	-31270	-32080	-33010	.19200	.24310
.898	2.211	-24630	-24490	-24640	-24370	-32430	-32430	-33170	-33660	.19070	.26500
.898	3.257	-25090	-24880	-24740	-24740	-33050	-33050	-34050	-34740	.16780	.29190
.898	4.295	-25920	-25940	-25560	-25770	-33570	-33570	-33720	-34170	.14360	.31870
.896	6.366	-27250	-27620	-27750	-27950	-35480	-35480	-35720	-35720	.09020	.36900
	GRADIENT	-.00659	-.00587	-.00573	-.00517	-.00349	-.00349	-.00123	-.00035	-.02368	.02511

DATE 10 MAR 80

OAI145 TABULATED FORCE DATA

PAGE 1854

AMES 118-1-11 OAI145A 01

(E2F093) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

ALPHA =
 ATILRON =
 SPDBRK =
 RN/L =

5.000 ELEVON = .000
 15.000 BDFLAP = .000
 5.000 RUDDER = -5.000

PARAMETRIC DATA

RUN NO. 683/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.951	-6.103	-25150	-25400	-25890	-25600	-33340	-33340	-34590	-35010	41880	.09150
.952	-1.946	-24090	-23710	-23810	-24010	-32900	-32900	-33680	-34460	32460	.19240
.951	.915	-24730	-24700	-24730	-24300	-33040	-33040	-33920	-34800	30050	.21990
.951	.036	-25340	-25210	-25360	-25510	-33900	-33900	-34780	-36160	27620	.24320
.951	.589	-25430	-25410	-25400	-25100	-33210	-33210	-34560	-35100	26660	.25970
.950	1.077	-25340	-25430	-25480	-25480	-33690	-33690	-34840	-36360	25320	.26840
.949	2.149	-25290	-25580	-25540	-25280	-34780	-34780	-35510	-35910	22570	.29290
.951	3.190	-25330	-25620	-26350	-25570	-34560	-34560	-35270	-35690	20620	.32240
.948	4.231	-27060	-27190	-27340	-27840	-36020	-36020	-36520	-38140	17900	.34560
.947	6.312	-29230	-29160	-28680	-29110	-36950	-36950	-39550	-39410	13280	.40200
	GRADIENT	-0.0343	-0.0433	-0.0501	-0.0479	-0.0471	-0.0471	-0.0416	-0.0443	-0.02345	.02470

RUN NO. 677/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.199	-6.106	-31170	-31400	-31170	-31270	-31790	-31790	-31640	-31810	54380	.26200
1.200	-1.954	-30760	-30690	-30700	-30720	-30740	-30740	-31440	-31370	45590	.31660
1.198	-.924	-30790	-30740	-30740	-30540	-31140	-31140	-31280	-31770	43040	.33570
1.199	.053	-30510	-30540	-30480	-30710	-31570	-31570	-31720	-32620	41070	.36110
1.199	.675	-30940	-31000	-30840	-30740	-31460	-31460	-31900	-32380	40140	.37440
1.199	1.179	-30840	-31040	-30970	-31030	-31560	-31560	-31830	-32390	39210	.38840
1.200	2.215	-30860	-30880	-30860	-30940	-31240	-31240	-31880	-32510	37590	.41600
1.198	3.258	-31280	-31390	-31030	-31400	-31610	-31610	-32150	-32200	35080	.43880
1.199	4.296	-30920	-31260	-30930	-31000	-31030	-31030	-32110	-32420	33480	.46980
1.197	6.364	-31740	-31680	-31780	-32060	-32010	-32010	-32450	-33450	30030	.51910
	GRADIENT	-0.0061	-0.0113	-0.0057	-0.0097	-0.0047	-0.0047	-0.0131	-0.0128	-0.01902	.02467

RUN NO. 668/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.403	-6.117	-29260	-29260	-29310	-29270	-29720	-29720	-29940	-30150	57680	.35310
1.406	-1.968	-29690	-29700	-29470	-29620	-30070	-30070	-30430	-30530	50170	.42350
1.402	-.908	-29490	-29660	-29580	-29700	-30200	-30200	-30550	-30560	48800	.43300
1.403	.152	-29880	-29910	-29800	-29880	-30080	-30080	-30450	-30610	48280	.44660
1.403	.633	-29790	-29860	-29870	-29860	-29970	-29970	-30430	-30660	47910	.44990
1.403	1.169	-29760	-29640	-29670	-29740	-30090	-30090	-30400	-30730	47460	.45280
1.402	2.225	-30230	-29940	-30190	-30070	-30330	-30330	-30450	-30790	46630	.46410
1.402	3.275	-29790	-29990	-29870	-29880	-30090	-30090	-30530	-30520	44520	.48020
1.403	4.324	-29770	-29910	-29900	-29850	-29840	-29840	-30220	-30540	41800	.50320
1.400	6.409	-29310	-29230	-29230	-29260	-28880	-28880	-29330	-29740	34930	.55090
	GRADIENT	-0.0044	-0.0044	-0.0068	-0.0037	-0.0031	-0.0031	-0.0023	-0.0027	-0.01212	.01199

OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(E2F094) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 IREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 717/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.950	-5.032	-30100	-30220	-30710	-30280	-40260	-40260	-40560	-41530	-12920	-13310
.951	.005	-29130	-29090	-28780	-28990	-36390	-36390	-37190	-38260	-21670	-19950
.949	2.541	-28650	-29220	-29360	-29120	-37160	-37160	-38750	-39690	-24700	-22300
.950	4.989	-27730	-26930	-28110	-28110	-34960	-34960	-35630	-36540	-27080	-24050
.949	7.041	-27470	-27260	-28070	-27680	-35200	-35200	-36040	-36790	-29090	-25260
.950	8.063	-27770	-27430	-27620	-27660	-35380	-35380	-36110	-37050	-29710	-26140
.949	10.100	-28140	-27720	-28390	-28630	-37290	-37290	-37930	-37930	-30370	-26330
.950	12.164	-29830	-29010	-29110	-29720	-38500	-38500	-39700	-40140	-30880	-26580
.950	15.239	-32770	-32130	-32680	-32460	-42140	-42140	-43600	-43780	-30700	-26020
GRADIENT		.00280	.00429	.00132	.00175	.00282	.00282	.00306	.00338	.01084	.00822

RUN NO. 713/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.200	-5.010	-29690	-29760	-29830	-29830	-28800	-28800	-29090	-29820	-32870	-34260
1.203	.004	-29440	-29270	-29210	-29310	-29020	-29020	-29560	-30200	-38180	-35600
1.200	2.559	-29670	-29430	-29530	-29590	-29990	-29990	-30590	-31370	-39730	-35710
1.196	5.094	-30910	-30940	-30980	-30940	-31370	-31370	-32320	-32810	-40950	-36090
1.198	7.158	-31390	-31550	-31620	-31510	-31470	-31470	-32210	-32040	-42100	-36210
1.198	8.193	-31470	-31600	-31600	-31480	-31410	-31410	-32260	-32840	-42350	-36490
1.198	10.175	-31520	-31580	-31440	-31270	-32210	-32210	-32660	-33230	-43100	-36670
1.201	12.208	-30950	-31010	-30710	-30980	-31780	-31780	-32480	-32820	-43770	-37170
1.199	15.261	-32670	-32790	-32580	-32650	-33200	-33200	-33760	-33960	-43580	-36740
GRADIENT		.00090	.00063	.00125	.00110	.00380	.00380	.00403	.00458	.00607	.00043

RUN NO. 710/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.399	-4.975	-27630	-27780	-27640	-27880	-29500	-29500	-29680	-30050	-45150	-35600
1.405	.032	-29170	-29320	-29320	-29200	-29480	-29480	-29640	-29880	-44020	-35820
1.403	2.589	-30080	-29880	-30080	-30200	-30410	-30410	-30720	-31020	-45530	-44770
1.400	5.161	-30760	-30720	-30660	-30720	-31100	-31100	-31210	-31500	-47810	-44390
1.400	7.198	-31450	-31550	-31710	-31650	-31750	-31750	-32140	-32380	-48800	-45480
1.400	8.188	-31910	-32080	-31970	-31970	-32250	-32250	-32480	-32650	-48370	-45890
1.399	10.172	-32160	-32270	-32390	-32310	-32170	-32170	-32390	-32670	-49350	-45880
1.399	12.114	-33070	-33040	-33390	-33000	-32480	-32480	-32750	-33000	-49420	-45080
1.397	15.070	-33370	-33450	-33450	-33480	-31900	-31900	-32140	-32430	-50020	-45240
GRADIENT		.00322	.00282	.00324	.00301	.00103	.00103	.00117	.00106	.00012	.01272

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(E2F095) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1075.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

ALPHA =
 AILRON =
 SPDBRK =
 RN/L =

5.000 ELEVON = .000
 .000 BDFLAP = .000
 40.000 RUDDER = .000
 5.000

PARAMETRIC DATA

RUN NO. 728/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.597	-6.054	-22770	-22630	-22490	-22460	-24130	-24130	-25220	-26740	.29940	-.01380
.596	-1.926	-21900	-21250	-21090	-21640	-24030	-24030	-24940	-26320	.20100	.08720
.596	-.981	-21370	-21030	-20730	-21200	-23430	-23430	-24660	-26060	.17510	.11490
.597	.028	-22310	-21880	-22310	-22280	-24050	-21050	-24860	-26350	.14970	.13170
.597	.642	-21760	-21830	-21810	-21930	-23860	-23860	-25280	-26620	.13900	.14940
.597	1.144	-21700	-22130	-21610	-21940	-24020	-24020	-24900	-26600	.12710	.16000
.598	2.190	-22100	-22120	-22190	-21910	-23820	-23820	-24810	-26570	.10230	.18650
.598	3.221	-22080	-22200	-21510	-22100	-23190	-23190	-25270	-26420	.07610	.21700
.597	4.258	-22810	-22240	-22360	-22100	-24210	-24210	-25420	-27260	.05300	.23610
.596	6.319	-23900	-23680	-23800	-23470	-25220	-25220	-26220	-27160	.00120	.28080
	GRADIENT	-.00138	-.00189	-.00175	-.00059	.00007	.00007	-.00085	-.00127	-.02383	.02442

RUN NO. 727/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.800	-6.098	-23430	-23310	-23460	-23410	-25990	-25990	-26610	-27880	.34390	.01510
.793	-1.355	-23140	-22970	-22710	-22520	-26040	-26040	-27140	-28640	.24200	.11550
.799	-.913	-22030	-22200	-22630	-22420	-25640	-25640	-26940	-28350	.21910	.14360
.799	.094	-23130	-22940	-23110	-22640	-25650	-25650	-27120	-28570	.19060	.16940
.798	.663	-22830	-22850	-22490	-23220	-26050	-26050	-27320	-28680	.18320	.18340
.799	1.158	-22910	-23020	-23100	-23190	-25860	-25860	-27670	-28450	.16940	.19670
.793	2.203	-22870	-22680	-22610	-23260	-26610	-26610	-27130	-28380	.14100	.21910
.797	3.249	-23660	-23880	-23730	-23380	-26260	-26260	-27330	-29270	.11440	.24910
.798	4.288	-23580	-23660	-23900	-23560	-26690	-26690	-27450	-28850	.08960	.27320
.797	6.355	-25030	-24390	-24170	-24940	-27090	-27090	-27880	-30030	.04410	.32440
	GRADIENT	-.00150	-.00179	-.00188	-.00190	-.00142	-.00142	-.00123	-.00077	-.02462	.02509

RUN NO. 724/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.902	-6.094	-25050	-25020	-24980	-25040	-30270	-30270	-30700	-32060	.38610	.05660
.902	-1.962	-24360	-24290	-24240	-24380	-31850	-31850	-32860	-33720	.29100	.16100
.898	-.906	-25350	-25260	-25600	-25120	-33040	-33040	-34210	-35030	.25990	.18180
.901	.105	-25260	-25390	-25470	-25440	-32520	-32520	-33980	-34930	.23790	.21160
.899	.656	-25300	-25180	-25350	-26040	-33430	-33430	-34140	-34500	.22510	.22060
.900	1.156	-25700	-25510	-25520	-26070	-32880	-32880	-33390	-34190	.21110	.23440
.902	2.223	-26830	-26580	-25920	-25710	-32790	-32790	-32690	-33110	.18870	.26500
.899	3.266	-26210	-26890	-27150	-26650	-33190	-33190	-33240	-33700	.16360	.28910
.900	4.304	-27430	-26840	-26840	-27820	-34000	-34000	-34290	-34290	.14150	.31540
.896	6.376	-29320	-28810	-29400	-29920	-34740	-34740	-35650	-36660	.08940	.36830
	GRADIENT	-.00397	-.00475	-.00421	-.00450	-.00231	-.00231	-.00031	.00100	-.02359	.02504

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AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6900 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPDBRK = 40.000
 RN/L = 5.000

MACH	RUDDER	RUN NO. 730/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00									
		CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.596	-14.976	-22350	-22130	-22900	-22190	-24580	-24580	-26710	.14890	.13210	
.597	-10.727	-22380	-22190	-22100	-22570	-24400	-25530	-27190	.15050	.13220	
.597	-4.932	-22060	-22180	-22110	-22160	-24030	-25620	-26920	.15300	.13580	
.597	-2.426	-21950	-22210	-21830	-21410	-24080	-25470	-23590	.15120	.13410	
.597	.089	-21350	-22150	-21660	-21400	-24020	-25130	-26430	.15110	.13520	
.597	2.505	-22140	-22050	-21900	-21670	-24190	-25250	-26760	.14880	.13340	
.597	4.996	-21720	-21910	-21620	-22000	-23780	-25220	-26300	.13610	.13610	
.598	10.027	-22570	-22380	-22100	-22100	-24120	-25040	-26340	.15340	.13250	
.597	14.970	-22860	-22440	-22530	-22630	-23730	-25680	-26850	.15240	.13680	
.597	18.134	-22410	-22720	-22500	-22760	-24000	-25300	-26500	.15070	.13530	
.597	22.827	-23320	-23010	-23060	-23560	-24870	-25670	-27260	.14820	.13020	
	GRADIENT	.00019	.00027	.00036	.00002	.00016	.00016	.00043	-.00044	-.00000	

MACH	RUDDER	RUN NO. 721/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00									
		CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.900	-14.976	-26380	-26210	-25950	-26560	-34330	-34330	-36240	.23360	.21090	
.901	-10.754	-25940	-25800	-25920	-26030	-33630	-33630	-35100	.23450	.21100	
.902	-4.947	-24720	-24930	-24400	-24960	-33330	-33330	-34450	.23580	.21170	
.900	-2.426	-24730	-24970	-25470	-25430	-33230	-33230	-34370	.23630	.21120	
.902	.123	-24560	-24970	-24610	-24730	-32720	-33320	-35000	.23890	.21300	
.901	2.531	-24760	-24890	-24670	-25130	-33080	-33390	-34220	.23630	.21170	
.899	10.027	-25770	-25030	-24790	-25510	-33460	-33960	-34550	.23720	.20670	
.902	15.022	-24940	-25230	-24360	-24770	-32410	-33640	-33720	.24140	.21060	
.901	18.116	-25230	-25050	-25610	-25460	-32180	-33490	-34170	.24150	.21130	
.900	22.827	-25900	-26650	-26330	-25690	-32810	-33270	-33390	.24040	.20870	
	GRADIENT	.00001	.00005	.00000	.00006	.00049	.00049	.00005	.00016	.00007	

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(E2F096) (08 JUL 77)

REFERENCE DATA

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=	BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. ZO
=	SCALE	=	.0500					

ALPHA
ELEVON
BOFLAP
RN/L

5.000	BETA	=	.000
.000	AILRON	=	.000
.000	SPDBRK	=	40.000
5.000			

PARAMETRIC DATA

RUN NO. 720/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.952	-14.993	-28140	-28420	-27420	-27830	-34760	-34760	-35880	-36110	.27400	.24990
.951	-10.745	-27720	-28150	-28150	-26940	-34750	-34750	-35940	-36690	.27060	.24750
.951	-4.924	-27800	-27230	-27590	-28510	-35000	-35000	-36100	-36840	.27050	.24430
.950	-2.426	-28090	-27730	-27810	-27730	-34470	-34470	-36010	-36530	.26910	.24510
.952	-1.03	-27280	-27450	-27150	-27150	-34510	-34510	-35330	-35830	.27250	.24630
.950	2.513	-27440	-27620	-27710	-27410	-34670	-34670	-36080	-36160	.27100	.24430
.951	3.308	-27600	-27040	-27450	-27010	-34050	-34050	-35520	-36180	.27100	.24710
.951	5.033	-27850	-27540	-27420	-27930	-34990	-34990	-35490	-36430	.26970	.24270
.951	10.019	-27500	-23210	-28120	-27280	-34380	-34380	-35520	-36160	.27180	.24410
.951	15.022	-28060	-28700	-28080	-28230	-34200	-34200	-35730	-36110	.27260	.24500
.951	18.134	-28080	-27570	-27820	-28240	-34190	-34190	-35190	-35870	.27220	.24490
.950	22.827	-28490	-28280	-28020	-28480	-35230	-35230	-35550	-36480	.26850	.24020
GRADIENT	.00053	.00012	.00016	.00154	.00072	.00072	.00072	.00046	.00089	.00014	.00019

RUN NO.	712/ 0	RN/L =	5.02	GRADIENT INTERVAL =	-5.00/	5.00
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MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.200	-14.965	-31500	-31620	-31530	-31430	-32250	-32250	-32840	-33600	40920	36170
1.202	-10.754	-31490	-31470	-30930	-31420	-31830	-31830	-33000	-33070	41230	36240
1.201	-4.947	-31300	-31090	-30730	-30870	-32010	-32010	-32190	-32840	41120	36130
1.199	-2.451	-31170	-31090	-31110	-31030	-32010	-32010	-32370	-33260	40930	35920
1.200	-0.996	-30890	-31180	-31140	-31220	-31640	-31640	-32390	-32500	41020	36070
1.200	2.496	-31160	-31160	-31160	-30720	-31800	-31800	-32520	-32710	40960	36140
1.201	5.024	-30630	-30770	-30920	-30970	-31680	-31680	-32090	-32620	41100	36130
1.200	10.003	-31230	-31660	-31900	-31560	-32130	-32130	-33030	-33320	41010	35990
1.201	15.005	-31430	-31660	-31300	-31300	-31920	-31920	-32630	-33090	41210	36310
1.200	18.125	-31600	-31660	-31860	-31630	-32150	-32150	-32940	-33110	41090	36160
1.199	22.818	-32030	-31920	-31930	-31800	-32640	-32640	-33170	-33540	40940	35900
GRADIENT		-0.0005	-0.0010	-0.0053	.00012	.00040	.00040	-.00041	.00045	-.00016	.00007

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(E2F096) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 711/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPDBRK = 40.000
 RN/L = 5.000

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.407	-14.993	-31120	-31150	-31160	-31220	-31490	-31490	-31730	-31930	.47350	.44580
1.406	-10.745	-30860	-30890	-30730	-30870	-31080	-31080	-31410	-31570	.47600	.44710
1.404	-4.947	-30640	-30790	-30890	-30830	-30970	-30970	-31340	-31550	.47440	.44710
1.403	-2.418	-30780	-30610	-30580	-30620	-31080	-31080	-31310	-31510	.47240	.44300
1.402	-1.110	-30680	-30830	-30610	-30750	-30950	-30950	-31470	-31560	.47420	.44440
1.403	2.505	-30560	-30670	-30560	-30600	-30890	-30890	-31030	-31380	.47540	.44610
1.402	5.005	-30710	-30820	-30780	-30750	-31060	-31060	-31360	-31660	.47500	.44540
1.403	10.011	-30880	-30900	-30790	-30750	-31150	-31150	-31370	-31570	.47700	.44560
1.403	15.022	-31100	-31160	-31110	-31100	-31290	-31290	-31400	-31890	.47490	.44640
1.402	18.107	-31390	-31420	-31300	-31310	-31450	-31450	-31770	-32090	.47720	.44590
1.402	22.780	-31380	-31440	-31400	-31510	-31580	-31580	-31830	-32060	.47480	.44470
	GRADIENT	.00014	.00006	.00039	.00023	.00015	.00015	.00032	.00019	.00019	.00007

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(E2F097) (08 JUL 77)

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 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 40.000 RUDDER = -5.000
 RN/L = 5.000

RUN NO. 729/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.598	-6.019	-22800	-22680	-22730	-22770	-24250	-24250	-25360	-26660	.29600	-.01350
.598	-1.918	-21610	-21840	-21750	-21790	-24160	-24160	-25010	-26610	.20000	.08360
.597	-.881	-21720	-21770	-21870	-21770	-24180	-24180	-25130	-26050	.17480	.10920
.598	.079	-22280	-22120	-21830	-22280	-23730	-23730	-24680	-26490	.14880	.13440
.597	.627	-22000	-21840	-21720	-22030	-24090	-24090	-25600	-26900	.14090	.14570
.597	1.152	-21860	-21760	-21410	-21790	-23960	-23960	-24550	-26370	.12540	.16060
.597	2.199	-22300	-22060	-22040	-22300	-24210	-24210	-25270	-26920	.10030	.18530
.597	3.229	-22800	-22990	-22470	-22780	-24330	-24330	-25250	-27310	.07360	.20920
.597	4.265	-22700	-22610	-22470	-22160	-24200	-24200	-25470	-27270	.05420	.23610
.597	6.323	-22880	-23520	-22800	-22900	-25400	-25400	-25830	-27700	.00330	.27890
	GRADIENT	-.00189	-.00166	-.00124	-.00139	-.00032	-.00032	-.00068	-.00167	-.02387	.02453

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REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
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 SCALE = .0500

ALPHA =
 AILRON =
 SPOBRK =
 RN/L =

5.000 ELEVON = .000
 .000 BDFLAP = .000
 40.000 RUDDER = -5.000
 5.000

PARAMETRIC DATA

RUN NO. 723/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP249	CP252
.902	-6.110	-24990	-25170	-24500	-24690	-30140	-30140	-31260	-31860	-32460	-33060
.900	-1.948	-24810	-24680	-24880	-25140	-32300	-32300	-33680	-34140	-34600	-35060
.900	-.904	-25210	-24630	-25110	-24610	-33250	-33250	-33850	-34280	-34720	-35160
.900	.164	-25040	-25490	-25060	-25510	-32910	-32910	-34310	-34750	-35190	-35630
.899	.662	-25780	-24830	-25050	-25360	-32550	-32550	-33540	-34460	-35380	-36300
.900	1.191	-25580	-26030	-25090	-26730	-33080	-33080	-33210	-33490	-33850	-34200
.898	2.231	-25740	-25720	-25690	-26030	-33570	-33570	-33890	-34280	-34670	-35060
.898	3.275	-27630	-27910	-27910	-27700	-34300	-34300	-34620	-34990	-35360	-35730
.899	4.312	-27130	-27060	-26760	-27550	-33630	-33630	-34550	-35470	-36390	-37310
.897	6.384	-27590	-29590	-28590	-27920	-36000	-36000	-37300	-38600	-39900	-41200
	GRADIENT	.00426	.00490	.00416	.00486	.00240	.00240	.00134	.00139	.00139	.00134

RUN NO. 719/ 0 RN/L = 5.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP249	CP252
.953	-6.100	-27520	-27420	-27570	-27370	-34490	-34490	-35160	-35870	-36580	-37290
.950	-1.952	-25070	-26540	-26920	-26620	-34220	-34220	-35130	-35450	-35770	-36090
.952	-.903	-26570	-26220	-27150	-27150	-33940	-33940	-35130	-36160	-37190	-38220
.951	.169	-27630	-28250	-28120	-27550	-34640	-34640	-35770	-36320	-36870	-37420
.951	.646	-28020	-27430	-27580	-27660	-34210	-34210	-35580	-36370	-37160	-37950
.951	1.170	-27320	-27200	-26840	-27510	-34400	-34400	-35550	-36410	-37270	-38130
.949	2.228	-27760	-27770	-27730	-27840	-35280	-35280	-36550	-37370	-38170	-38980
.950	3.276	-28550	-28930	-28780	-28680	-35670	-35670	-36690	-37810	-38930	-40050
.950	4.318	-18430	-23130	-23940	-18890	-36180	-36180	-36380	-40000	-40920	-41840
.948	6.385	-31570	-30910	-31290	-30360	-38390	-38390	-40080	-40650	-41220	-41790
	GRADIENT	.04502	.00187	.00213	.00693	.00350	.00350	.00265	.03538	.03538	.02521

RUN NO. 715/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP249	CP252
1.200	-6.087	-30920	-31010	-31240	-30970	-31540	-31540	-31540	-31720	-31900	-32080
1.200	-1.944	-30880	-30950	-30830	-30960	-31080	-31080	-31620	-31490	-31370	-31250
1.200	-.897	-30990	-30890	-30680	-30700	-31690	-31690	-31850	-32390	-32930	-33470
1.199	.146	-31030	-31310	-30980	-31010	-32040	-32040	-31810	-32200	-32690	-33180
1.200	.642	-31010	-31000	-30980	-30930	-31810	-31810	-32270	-33040	-33890	-34740
1.200	1.153	-30670	-30860	-30730	-30990	-31460	-31460	-32620	-32770	-33080	-33390
1.200	2.207	-31020	-31090	-31040	-31070	-31760	-31760	-32620	-32850	-33160	-33470
1.200	3.256	-30460	-30960	-31040	-30920	-31180	-31180	-31690	-32040	-32390	-32740
1.199	4.296	-30700	-31170	-31080	-30740	-31400	-31400	-32340	-32900	-33460	-34020
1.197	6.361	-31840	-31600	-32040	-31660	-31800	-31800	-32410	-33000	-33560	-34120
	GRADIENT	.00058	.00020	.00038	.00006	.00016	.00016	.00086	.00068	.00068	.02447

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PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 40.000 RUDDER = -5.000
 RN/L = 5.000

RUN NO. 709/ 0 RN/L = 4.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.404	-6.218	-30150	-30100	-30070	-30100	-30660	-30660	-30830	-30960	.57820	.34690
1.409	-2.071	-30510	-30580	-30460	-30580	-30950	-30950	-31080	-31400	.49790	.42340
1.408	-1.017	-30560	-30680	-30600	-30700	-30980	-30980	-31250	-31520	.48730	.43380
1.407	.057	-30720	-30790	-30830	-30920	-31090	-31090	-31320	-31580	.47760	.44680
1.406	.572	-30690	-30680	-30760	-30700	-31020	-31020	-31270	-31440	.47180	.44980
1.407	1.107	-30590	-30630	-30570	-30620	-30920	-30920	-31070	-31350	.46600	.45330
1.405	2.158	-30810	-30840	-30840	-30670	-30890	-30890	-31240	-31430	.46360	.46260
1.405	3.203	-30510	-30490	-30530	-30510	-30780	-30780	-30970	-31170	.44240	.47860
1.404	4.247	-30370	-30430	-30530	-30390	-30560	-30560	-30840	-31060	.41570	.50190
1.402	6.359	-29780	-29680	-29820	-29730	-29570	-29570	-29820	-30200	.35290	.54690
	GRADIENT	.00016	.00021	.00001	.00041	.00061	.00061	.00048	.00064	-.01189	.01157

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 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 55.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 585/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.598	-5.044	-24340	-24410	-24100	-24190	-24320	-24320	-24510	-25170	-.03610	-.03760
.598	-.055	-23200	-23220	-23220	-23030	-22760	-22760	-22930	-.22880	.08610	.07180
.597	2.436	-23700	-23470	-23920	-23470	-23670	-23670	-23760	-25140	.12740	.10720
.599	4.995	-23360	-23580	-23930	-24170	-25030	-25030	-25710	-27680	.15480	.13320
.599	7.036	-22790	-22460	-23170	-23000	-25720	-25720	-26920	-29520	.17560	.15170
.597	8.071	-23570	-23140	-22920	-22640	-26500	-26500	-27950	-30560	.18130	.15190
.597	10.116	-23280	-23090	-23120	-23620	-27920	-27920	-30420	-33050	.18440	.15060
.597	12.179	-23430	-23140	-22550	-22690	-28850	-28850	-31980	-34740	.18560	.14970
.599	15.203	-24460	-24560	-25200	-24910	-32380	-32380	-33610	-35170	.17120	.12980
	GRADIENT	-.00032	-.00071	-.00141	-.00226	-.00449	-.00449	-.00550	-.00950	.01361	.01216

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(E2F098) (08 JUL 77)

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 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDRK = 55.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 579/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.797	-5.031	-26120	-26050	-26030	-26610	-26900	-26900	-27220	-27160	.02540	.02050
.799	.008	-25260	-24340	-24870	-25280	-25450	-25450	-25370	-25580	.13520	.11470
.798	2.739	-25100	-25080	-24720	-25080	-26310	-26310	-27500	-27660	.17310	.14610
.799	5.189	-24180	-24100	-24810	-24420	-26820	-26820	-28310	-28840	.20180	.16810
.797	7.199	-24480	-24110	-24440	-24500	-28610	-28610	-30510	-31290	.22310	.18260
.798	8.265	-23950	-24400	-23710	-23990	-28900	-28900	-30590	-32340	.22400	.19030
.798	9.319	-24500	-24670	-24550	-24010	-30260	-30260	-31010	-32220	.23120	.19120
.799	10.184	-24710	-24000	-24040	-23760	-30930	-30930	-30540	-32290	.23560	.19140
.798	11.292	-24750	-25550	-25170	-25720	-32170	-32170	-33380	-33010	.23410	.19200
.798	12.259	-24700	-25620	-25210	-25210	-33110	-33110	-34540	-34710	.23530	.19600
.799	15.278	-28670	-29440	-29640	-29680	-39060	-39060	-39880	-39820	.22410	.18150
GRADIENT		.00059	-.00271	.00055	.00073	.00315	.00315	.00780	.00762	.01388	.01150

RUN NO. 563/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.899	-5.104	-28860	-29130	-29080	-29340	-31110	-31110	-30700	-32190	.08640	.08170
.899	.126	-26430	-26950	-26650	-26480	-29270	-29270	-30200	-30110	.18320	.15830
.899	2.426	-27420	-27750	-26870	-27010	-31510	-31510	-33430	-33290	.21340	.18620
.902	4.982	-27180	-26590	-26920	-26710	-32260	-32260	-32730	-33330	.24140	.20990
.903	7.102	-27910	-27530	-27260	-27140	-34570	-34570	-34930	-35350	.26340	.22180
.898	8.114	-27200	-28170	-27860	-27680	-34560	-34560	-35060	-35970	.26730	.22560
.900	10.158	-29220	-28180	-27630	-28520	-35750	-35750	-35370	-36380	.27810	.23120
.901	12.223	-29540	-29340	-29410	-28720	-37850	-37850	-38220	-38390	.27920	.23090
.903	15.254	-32130	-32750	-32970	-32810	-42170	-42170	-42920	-43310	.27570	.22720
GRADIENT		-.00147	.00071	-.00053	-.00045	-.00585	-.00585	-.00495	-.00630	.01159	.01010

RUN NO. 560/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.950	-5.113	-32240	-32170	-32570	-32020	-40610	-40610	-41510	-42120	.13410	.13200
.950	.082	-30330	-30440	-30260	-30260	-37180	-37180	-38180	-39420	.21940	.19620
.950	2.462	-30250	-29620	-30300	-30610	-37850	-37850	-39160	-39670	.24940	.21950
.951	5.051	-28450	-28180	-28530	-28450	-34670	-34670	-35800	-36320	.27670	.24090
.950	7.112	-28840	-28820	-28700	-28490	-35400	-35400	-36120	-36350	.29620	.25160
.950	8.145	-28570	-27970	-28450	-28980	-36000	-36000	-36550	-36600	.29970	.25740
.949	10.200	-29330	-29110	-29080	-28930	-36720	-36720	-37380	-37730	.31290	.26440
.949	12.223	-30070	-30130	-30120	-30430	-38950	-38950	-39580	-40500	.31540	.26340
.954	15.268	-33720	-33380	-32930	-33710	-42930	-42930	-42960	-44150	.30940	.25930
GRADIENT		.00031	.00322	-.00016	-.00138	-.00263	-.00263	-.00385	-.00098	.01179	.00916

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REFERENCE DATA

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 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPDBRK = 55.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 551/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.100	-5.114	-33830	-33830	-33660	-33850	-34290	-34290	-34330	-35130	-28770	-28850
1.102	-5.038	-33250	-33280	-33130	-33460	-33060	-33060	-33670	-34300	-35440	-33160
1.098	2.479	-33560	-33840	-33840	-34160	-33960	-33960	-34690	-35400	-37840	-34730
1.099	5.060	-35280	-34700	-35250	-35100	-36080	-36080	-36360	-37090	-39440	-35430
1.102	7.125	-35440	-35590	-35500	-35590	-35940	-35940	-36110	-36320	-40760	-36040
1.101	8.145	-36190	-36070	-36120	-36190	-36350	-36350	-36860	-36860	-41000	-36420
1.100	10.194	-37260	-36850	-36890	-37260	-38240	-38240	-38520	-39180	-41250	-35950
1.102	12.227	-36830	-36870	-37270	-36760	-38750	-38750	-39230	-39560	-41760	-35750
1.099	15.268	-39370	-39050	-39180	-39490	-40680	-40680	-40950	-41750	-41200	-35740
	GRADIENT	-00123	-00223	-00282	-00278	-00358	-00358	-00405	-00437	-00954	-00624

RUN NO. 534/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.200	-5.129	-31040	-31210	-31080	-31110	-29750	-29750	-29990	-30740	-35220	-36120
1.207	-8.860	-29800	-29840	-29660	-29700	-29090	-29090	-29050	-29810	-38420	-35730
1.200	2.486	-30720	-30620	-30640	-30690	-30950	-30950	-31320	-32070	-40510	-35900
1.198	5.113	-31620	-31850	-31940	-31990	-32240	-32240	-32390	-32790	-41830	-36280
1.198	7.162	-32480	-32380	-32590	-32360	-32390	-32390	-32510	-32790	-42960	-36610
1.199	8.196	-32920	-32650	-32670	-32600	-33170	-33170	-33150	-33910	-43330	-36810
1.196	10.285	-32670	-32990	-32780	-32730	-33620	-33620	-33680	-34110	-43940	-36940
1.197	12.278	-33110	-32980	-32490	-32350	-34110	-34110	-33760	-34320	-44310	-37010
1.199	15.289	-34290	-34480	-34440	-34710	-34580	-34580	-35030	-35700	-43970	-36360
	GRADIENT	-00275	-00233	-00293	-00296	-00556	-00556	-00678	-00675	-00625	-00051

RUN NO. 533/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.300	-5.130	-28820	-28810	-28940	-28940	-29560	-29560	-29930	-30460	-37660	-38370
1.300	-9.032	-30080	-30280	-30230	-30160	-30440	-30440	-30700	-30900	-40660	-39080
1.297	2.460	-30560	-30610	-30650	-30350	-30940	-30940	-31340	-31450	-42710	-38670
1.294	5.112	-31890	-31970	-31890	-31970	-32220	-32220	-33040	-33330	-44270	-38230
1.295	7.148	-33020	-33180	-33260	-33080	-33780	-33780	-33980	-34380	-45240	-38670
1.295	8.187	-33330	-33470	-33500	-33460	-34030	-34030	-34490	-34860	-45340	-38590
1.295	10.274	-34090	-34380	-34430	-34400	-34830	-34830	-34840	-35530	-46170	-39020
1.293	12.266	-35330	-35590	-35440	-35630	-35440	-35440	-35670	-36010	-46470	-38700
1.293	15.273	-35340	-35440	-35370	-35420	-35180	-35180	-35340	-35800	-47390	-39360
	GRADIENT	-00193	-00132	-00169	-00076	-00201	-00201	-00257	-00221	-00823	-00165

DATE 10 MAR 80

OAI145 TABULATED FORCE DATA

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AMES 118-1-11 OAI145A 01

(E2F098) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. X0
 YMRP = .0000 IN. Y0
 ZMRP = 375.0000 IN. Z0

BETA =
 AILRON =
 SPDBRK =
 RN/L =

ELEVON = .000
 BDFLAP = .000
 RUDDER = .000

PARAMETRIC DATA

RUN NO. 514/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.400	-5.109	-27870	-27870	-27840	-27930	-28370	-28370	-28590	-29050	.39500	.42690
1.410	.042	-29020	-29200	-29110	-29160	-29360	-29360	-29780	-29930	.43990	.43370
1.406	2.430	-30320	-30230	-30370	-30190	-30630	-30630	-30670	-31000	.45620	.44440
1.402	5.011	-31040	-31010	-30960	-31040	-31360	-31360	-31570	-31730	.47590	.44310
1.401	7.037	-31900	-32000	-31810	-31800	-32060	-32060	-32250	-32420	.48650	.44760
1.401	8.168	-32070	-32070	-32170	-32120	-32150	-32150	-32390	-32640	.48590	.45720
1.399	10.214	-32410	-32470	-32590	-32600	-32460	-32460	-32770	-33080	.49650	.45670
1.399	12.223	-32900	-33170	-33160	-33090	-32510	-32510	-32670	-32940	.49980	.44890
1.396	15.289	-33400	-33480	-33510	-33500	-31980	-31980	-32180	-32560	.50340	.45170
	GRADIENT	- .00526	- .00417	- .00510	- .00417	- .00514	- .00514	- .00360	- .00433	.00659	.00433

AMES 118-1-11 OAI145A 01

(E2F099) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. X0
 YMRP = .0000 IN. Y0
 ZMRP = 375.0000 IN. Z0

BETA =
 AILRON =
 SPDBRK =
 RN/L =

ELEVON = .000
 BDFLAP = .000
 RUDDER = .000

PARAMETRIC DATA

RUN NO. 872/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.597	-5.234	-23480	-.07080	-.00850
.599	-.258	-22740	.03930	.10520
.598	2.258	-22740	.07680	.15100
.597	4.946	-23910	.10560	.18390
.597	7.993	-25580	.12570	.20140
.597	10.079	-26180	.13250	.20830
.597	12.070	-27610	.12660	.20930
.596	15.068	-33110	.09990	.18300
.597	17.057	-34800	.07750	.17330
.597	19.010	-38970	.04460	.14380
	GRADIENT	- .00227	.01272	.01509

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(E2F099) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. X0
 LREF = 474.8100 INCHES YMRP = .0000 IN. Y0
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. Z0
 SCALE = .0500

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPOBRK = 55.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 871/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00
 MACH ALPHA CP240 CP12 CP13
 .797 -5.254 -.26980 -.01640 .04710
 .801 -.257 -.24280 .08730 .15650
 .798 2.268 -.25480 .11700 .18690
 .798 4.921 -.26530 .14220 .21760
 .799 8.071 -.28900 .17320 .24230
 .799 10.083 -.30730 .17530 .25130
 .798 12.073 -.36220 .16910 .24240
 .798 15.140 -.41210 .15750 .23510
 .799 17.091 -.44300 .14510 .22850
 .800 19.027 -.45240 .12570 .21520
 GRADIENT .00434 .01059 .01179

RUN NO. 870/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00
 MACH ALPHA CP240 CP12 CP13
 .899 -5.282 -.30630 .05020 .11350
 .900 -.263 -.29690 .13440 .20060
 .899 2.287 -.31500 .15990 .23230
 .899 4.940 -.33360 .18930 .25880
 .899 8.074 -.35180 .21540 .28160
 .899 10.126 -.36830 .21900 .28750
 .900 12.120 -.39380 .22450 .29100
 .899 15.143 -.44290 .21390 .28570
 .899 17.109 -.46960 .20340 .27800
 .898 19.064 -.47400 .17860 .26500
 GRADIENT .00705 .01056 .01118

RUN NO. 869/ 0 RN/L = 5.08 GRADIENT INTERVAL = -5.00/ 5.00
 MACH ALPHA CP240 CP12 CP13
 .951 -5.286 -.39290 .10180 .16440
 .951 -.247 -.36680 .17380 .23850
 .950 2.285 -.37760 .20330 .26760
 .951 4.918 -.35010 .22430 .29170
 .950 8.108 -.36970 .24850 .31170
 .950 10.129 -.38710 .25540 .32050
 .951 12.126 -.41370 .25850 .31820
 .949 15.148 -.45300 .24760 .31670
 .950 17.126 -.46740 .23670 .31240
 .950 19.082 -.46360 .22210 .30470
 GRADIENT .00328 .00977 .01029

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(E2F099) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 55.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 868/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
1.197	-5.270	-27250	30260	37210
1.202	-2.237	-28100	34610	39460
1.201	2.298	-29250	36080	40380
1.199	4.915	-31040	37460	41230
1.198	8.078	-33090	37820	41670
1.200	10.119	-34000	38860	42300
1.200	12.122	-34180	39140	42530
1.199	15.136	-34340	38800	42420
1.200	17.129	-35540	38610	42650
1.198	19.063	-35690	37930	42420
	GRADIENT	- .00571	.00553	.00343

RUN NO. 867/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
1.295	-5.259	-26800	34390	40390
1.300	-2.251	-28080	37270	42370
1.297	2.278	-29680	38890	42230
1.297	4.931	-31490	41130	42720
1.295	8.092	-33840	41250	42450
1.295	10.108	-34240	41780	42710
1.294	12.148	-34560	42120	42910
1.294	15.151	-34850	42210	43700
1.293	17.114	-34250	41960	44140
1.291	19.048	-33420	41390	44290
	GRADIENT	- .00658	.00746	.00068

RUN NO. 866/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
1.402	-5.275	-25630	35750	45790
1.407	-2.240	-27490	40890	46400
1.404	2.257	-29000	42490	46910
1.402	4.877	-30510	45740	46340
1.401	8.079	-31730	46070	46790
1.402	10.059	-32240	47050	47470
1.403	12.109	-32370	47740	47810
1.401	15.094	-32690	46880	47390
1.397	17.103	-32500	45980	48190
1.392	19.032	-32430	45800	48480
	GRADIENT	- .00590	.00950	-.00013

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(E2F0A0) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPDBRK = 55.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 590/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.598	-6.073	-23480	.20250	-.05370
.598	-1.986	-22920	.12850	.02880
.598	-.941	-22770	.10740	.05160
.597	.105	-22810	.08740	.07340
.598	.614	-23180	.08110	.08140
.598	1.132	-23030	.07060	.09250
.598	2.170	-22670	.04840	.11260
.597	3.195	-23180	.02590	.13080
.597	4.225	-23550	.00450	.14760
.597	6.258	-23290	-.03360	.19540
.597	8.260	-23970	-.07440	.23060
	GRADIENT	-.00085	-.01986	.01912

RUN NO. 575/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.798	-6.247	-25470	.25590	-.01840
.798	-2.133	-25190	.17330	.06610
.798	-1.080	-25470	.15280	.08880
.799	.001	-25830	.13220	.10990
.799	.521	-25420	.12240	.12350
.799	1.046	-25640	.11010	.13220
.798	2.109	-25270	.09050	.15490
.799	3.155	-25280	.06840	.17930
.798	4.199	-26220	.04490	.19740
.797	6.268	-25740	.01070	.25110
.796	8.330	-26420	-.02850	.28780
	GRADIENT	-.00074	-.02016	.02093

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AMES 118-1-11 OAI45A 01

(E2F0A0) (06 MAR 80)

REFERENCE DATA

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 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 572/ 0 RN/L = 4.95

MACH	BETA	CP240	CP12	CP13
.899	-6.253	-.26810	.30420	.02610
.901	-2.129	-.28110	.22380	.11740
.900	-1.070	-.29270	.20190	.13530
.899	.015	-.28930	.18230	.16060
.900	.537	-.29980	.15900	.16810
.899	1.064	-.29970	.16000	.18020
.898	2.132	-.31860	.13680	.19890
.900	3.184	-.31590	.11840	.22550
.898	4.228	-.32530	.09590	.24680
.896	6.307	-.34920	.05460	.29380
.896	8.372	-.37030	.01610	.33250
	GRADIENT	-.00701	-.02006	.02046

ALPHA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 55.000 RUDDER = .000
 RN/L = 5.00

PARAMETRIC DATA

RUN NO. 553/ 0 RN/L = 4.98

MACH	BETA	CP240	CP12	CP13
.951	-6.277	-.32170	.34450	.06570
.952	-2.137	-.35270	.26560	.15520
.950	-1.078	-.36600	.24260	.17450
.949	.005	-.37410	.21830	.19520
.951	.531	-.37630	.21020	.20670
.950	1.053	-.37680	.19930	.21770
.948	2.125	-.38460	.17680	.23810
.948	3.176	-.38860	.15520	.25970
.947	4.223	-.39230	.13450	.28180
.946	6.307	-.39820	.09860	.33190
.945	8.372	-.41230	.06130	.36880
	GRADIENT	-.00584	-.02053	.01997

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(E2F0A0) (06 MAR 80)

REFERENCE DATA

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 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 542/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPDBRK = 55.000 RUDDER = .000
 RN/L = 5.000

MACH	BETA	CP240	CP12	CP13
1.201	-6.263	-.32050	.49980	.26260
1.203	-2.120	-.29620	.42290	.31690
1.202	-1.069	-.29340	.40440	.33460
1.202	.012	-.29430	.38650	.35550
1.201	.533	-.29520	.37690	.36420
1.202	1.055	-.29720	.36810	.37370
1.201	2.123	-.29530	.34850	.39360
1.202	3.171	-.29300	.33350	.41960
1.199	4.217	-.30460	.31120	.43140
1.198	6.304	-.30620	.28680	.47780
1.198	8.377	-.26700	.26170	.52550
	GRADIENT	-.00086	-.01739	.01865

AMES 118-1-11 OAI45A 01

(E2F0A1) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPDBRK = 55.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 589/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP235	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.598	-6.032	-.23590	-.23690	-.23500	-.23640	-.24790	-.24790	-.26000	-.27320	.30280	-.01540
.598	-1.942	-.22860	-.22980	-.23170	-.23080	-.24540	-.24540	-.25790	-.27050	.20510	.08620
.598	-.902	-.23030	-.22810	-.23240	-.23150	-.25120	-.25120	-.25830	-.27210	.17860	.10770
.598	.025	-.22730	-.22930	-.23380	-.22720	-.25260	-.25260	-.25710	-.26630	.15670	.13090
.598	.512	-.23310	-.22860	-.23480	-.22910	-.24850	-.24850	-.25820	-.27530	.14830	.14590
.598	1.026	-.23210	-.23120	-.23260	-.22640	-.24720	-.24720	-.25810	-.27570	.13350	.15870
.598	2.093	-.23690	-.23020	-.23620	-.23310	-.25240	-.25240	-.26090	-.27200	.10820	.18060
.598	3.136	-.23660	-.23070	-.23400	-.23560	-.25330	-.25330	-.26040	-.27200	.08270	.20650
.597	4.168	-.24390	-.24090	-.23630	-.24510	-.25420	-.25420	-.26630	-.28000	.05660	.23040
.597	6.224	-.24390	-.24080	-.24560	-.25560	-.24990	-.24990	-.26560	-.28290	.01190	.28540
	GRADIENT	-.00237	-.00143	-.00066	-.00208	-.00110	-.00110	-.00119	-.00115	-.02414	.02383

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AMES 118-1-11 OAI45A 01

(E2FOAI) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPOBRK = 55.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 552/ 0 RN/L = 4.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.101	-6.116	-34530	-34570	-34700	-34540	-35850	-35850	-36330	-36660	53720	21630
1.099	-1.968	-34500	-34730	-34830	-34830	-35980	-35980	-36520	-36990	44570	31110
1.100	-.927	-34550	-34510	-34310	-34280	-36010	-36010	-36610	-37160	41900	33200
1.100	.129	-34780	-34650	-34490	-34700	-35200	-35200	-36110	-36430	39910	36100
1.099	.641	-34800	-34460	-34680	-34860	-35090	-35090	-35290	-35610	38470	37160
1.100	1.146	-34300	-34640	-34500	-34620	-34430	-34430	-35110	-35170	38840	38840
1.098	2.189	-34710	-34950	-34810	-34800	-34910	-34910	-35080	-35910	35120	41010
1.098	3.230	-34880	-34600	-35060	-34840	-34710	-34710	-35590	-35970	33270	43850
1.098	4.266	-34890	-34980	-35000	-35750	-35890	-35890	-36100	-36630	30770	45630
1.098	6.339	-34440	-34730	-34740	-34670	-35260	-35260	-35990	-36400	27160	51220
	GRADIENT	-00058	-00046	-00080	-00135	-00105	-00105	-00140	-00125	-02178	02402

RUN NO. 538/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.201	-6.123	-31580	-31570	-31160	-31450	-31740	-31740	-31830	-32010	55010	26050
1.201	-1.957	-30900	-30960	-31260	-31090	-31350	-31350	-31430	-31630	45930	31610
1.199	-.921	-32060	-31710	-31810	-31770	-32140	-32140	-32200	-33260	43800	33680
1.200	.030	-31830	-31710	-31590	-31660	-32450	-32450	-32600	-33080	41670	36040
1.200	.691	-31860	-31690	-31640	-31770	-32140	-32140	-32860	-32840	40720	37760
1.201	1.158	-31440	-31630	-31480	-31480	-31900	-31900	-32500	-32690	39820	38980
1.200	2.191	-31510	-31640	-31660	-31600	-31670	-31670	-32440	-32740	38240	41680
1.200	3.239	-31850	-31700	-31690	-31630	-32150	-32150	-32280	-32920	35930	44090
1.201	4.275	-31680	-31930	-32060	-31620	-31910	-31910	-32890	-32990	34040	46690
1.197	6.353	-31490	-31710	-31770	-31970	-32030	-32030	-32350	-32830	30640	51810
	GRADIENT	-00050	-00077	-00076	-00039	-00027	-00027	-00075	-00102	-01878	02459

RUN NO. 530/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.297	-6.081	-32310	-32360	-32330	-32320	-33120	-33120	-33340	-33650	55890	31970
1.301	-1.964	-31510	-31610	-31590	-31530	-32510	-32510	-32900	-33280	48290	36540
1.299	-.920	-31480	-31440	-31740	-31370	-32470	-32470	-32680	-33000	46270	37360
1.298	.151	-31990	-31920	-31960	-31960	-32470	-32470	-32870	-33050	44530	38700
1.298	.627	-31510	-31770	-31530	-31860	-32160	-32160	-32800	-33250	43590	39630
1.298	1.154	-31390	-31690	-31510	-31630	-32070	-32070	-32350	-32710	42730	40750
1.299	2.207	-31570	-31520	-31810	-31730	-32120	-32120	-32470	-32880	40830	43060
1.297	3.231	-31780	-32030	-31720	-32040	-32430	-32430	-32400	-32830	39420	45150
1.296	4.303	-31740	-31970	-31800	-31690	-31770	-31770	-32050	-32580	38370	47330
1.294	6.377	-31570	-31310	-31280	-31150	-30970	-30970	-31520	-32260	35210	52880
	GRADIENT	-00032	-00064	-00018	-00051	-00088	-00088	-00123	-00094	-01611	01800

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OAI145 TABULATED FORCE DATA

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(E2F0A1) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPOBRK = 55.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 518/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.403	-6.119	-29860	-29980	-29990	-30000	-30200	-30200	-30460	-30560	.57330	.35360
1.408	-1.976	-30610	-30420	-30540	-30510	-30980	-30980	-31050	-31330	.49530	.41960
1.406	-.924	-30360	-30380	-30440	-30390	-30880	-30880	-30960	-31210	.48350	.42970
1.406	.150	-30510	-30480	-30620	-30520	-30640	-30640	-30640	-31180	.48110	.44430
1.404	.629	-30370	-30440	-30370	-30610	-30690	-30690	-30900	-31170	.47460	.44580
1.403	1.153	-30300	-30360	-30390	-30430	-30580	-30580	-30690	-30960	.46670	.44700
1.404	2.214	-30060	-30230	-30070	-30370	-30310	-30310	-30270	-30550	.44880	.45820
1.402	3.267	-30200	-30430	-30270	-30130	-30190	-30190	-30480	-30810	.42750	.47690
1.402	4.313	-29970	-29820	-29880	-30120	-29890	-29890	-30290	-30550	.40460	.49800
1.400	6.402	-29220	-29400	-29280	-29400	-29130	-29130	-29040	-29410	.34270	.53890
	GRADIENT	.00092	.00068	.00087	.00066	.00172	.00172	.00133	.00131	-.01434	.01174

AMES 118-1-11 OAI145A 01

(E2F0A2) (05 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPOBRK = 55.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 591/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.598	-6.045	-.27440	.35090	-.01570
.597	-1.990	-.26640	.25220	.09780
.597	-.972	-.27360	.21620	.12200
.597	.059	-.26790	.18900	.15780
.597	.557	-.27430	.17230	.16810
.597	1.059	-.27520	.15760	.18200
.598	2.094	-.27430	.13090	.21340
.597	3.122	-.28210	.09570	.24030
.596	4.163	-.28440	.07390	.26890
.598	6.231	-.28770	.01270	.32690
.598	8.292	-.28990	-.04360	.38530
	GRADIENT	-.00268	-.02904	.02809

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

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AMES 118-1-11 0A145A 01

(E2F0A2) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 55.000 RUDDER = .000
RN/L = 5.000

RUN NO. 576/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.799	-6.138	-.28620	.40390	.01720
.798	-1.992	-.29940	.29690	.13260
.799	-.938	-.30470	.26520	.16070
.797	.130	-.30180	.23350	.19490
.799	.650	-.30380	.22030	.21170
.798	1.185	-.30290	.20510	.22790
.799	2.240	-.30900	.17750	.25720
.799	3.295	-.30880	.15030	.29000
.797	4.335	-.32150	.12060	.31520
.797	6.396	-.31830	.06490	.37890
.799	8.425	-.31800	.00760	.43680
	GRADIENT	-.00278	-.02755	.02937

RUN NO. 573/ 0 RN/L = 4.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.900	-6.119	-.33800	.43930	.05690
.900	-2.024	-.34570	.33260	.17350
.900	-.991	-.34730	.30750	.20400
.900	.053	-.34870	.28010	.23470
.899	.557	-.35590	.26340	.24840
.900	1.065	-.35240	.25050	.26510
.899	2.117	-.36190	.21920	.29230
.899	3.159	-.35880	.19660	.32540
.898	4.216	-.37050	.16430	.35130
.899	6.301	-.36730	.11330	.41530
.899	8.380	-.37480	.06050	.47460
	GRADIENT	-.00376	-.02707	.02867

0A145 TABULATED FORCE DATA

DATE 10 MAR 80

(E2F0A2) (06 MAR 80)

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 10.000
 ELEVON = .000
 AILRON = .000
 SPOBRK = 55.000
 RUDDER = 5.000

RUN NO. 554/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.950	-6.149	-.34830	.47120	.09280
.950	-2.044	-.36200	.36580	.20410
.950	-1.007	-.35980	.34190	.23450
.949	.040	-.36400	.31020	.25520
.948	.547	-.38110	.29290	.27450
.949	1.059	-.37440	.28060	.29180
.949	2.115	-.37090	.25550	.32450
.948	3.161	-.37220	.22630	.35300
.948	4.219	-.37500	.19920	.38270
.948	6.313	-.38060	.14620	.44150
.949	8.392	-.39250	.09140	.49940
	GRADIENT	-.00220	-.02684	.02856

RUN NO. 547/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.202	-6.144	-.32270	.58850	.26600
1.203	-2.044	-.32120	.48760	.31570
1.199	-1.008	-.32230	.46230	.34140
1.199	.036	-.32260	.44020	.37050
1.200	.541	-.32030	.42820	.38610
1.200	1.063	-.31980	.41490	.40200
1.199	2.122	-.32770	.38850	.42770
1.197	3.170	-.32710	.36570	.45830
1.198	4.227	-.32440	.34990	.48990
1.197	6.316	-.32660	.31450	.54590
1.197	8.389	-.32480	.29160	.60440
	GRADIENT	-.00088	-.02249	.02780

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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(E2F0A2) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 BOFLAP = .000
SPOBRK = 55.000 RUDDER = .000
RN/L = 5.000

RUN NO. 526/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.294	-6.180	-.32970	.60270	.32100
1.300	-2.018	-.33920	.50730	.36670
1.300	-.940	-.33920	.48760	.37790
1.298	.156	-.34300	.46340	.39340
1.296	.684	-.34730	.45000	.39950
1.297	1.235	-.34420	.44210	.41200
1.296	2.303	-.34260	.42040	.43630
1.297	3.367	-.34110	.40540	.46210
1.297	4.410	-.33660	.39820	.49150
1.294	6.476	-.32150	.37150	.55230
1.292	8.495	-.32300	.32100	.61090
	GRADIENT	.00023	-.01773	.01962

RUN NO. 525/ 0 RN/L = 4.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.401	-6.201	-.30690	.62600	.35080
1.406	-2.021	-.31840	.53290	.43190
1.406	-.942	-.31850	.51200	.44700
1.406	.152	-.32180	.49780	.46150
1.405	.683	-.32210	.49340	.46690
1.403	1.232	-.32300	.48600	.46760
1.402	2.299	-.32280	.47310	.47600
1.402	3.369	-.32230	.45320	.49020
1.402	4.416	-.31880	.43630	.51280
1.400	6.494	-.31030	.38070	.56740
1.398	8.517	-.28640	.29910	.62320
	GRADIENT	-.00031	-.01438	.01137

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(E2FOA3) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = .000
 AILRON = .000
 SPDBRK = 55.000
 RUDDER = 5.000
 ELEVON = .000
 BDFLAP = .000

RUN NO. 592/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.598	-6.090	-.30830	.35030	-.06640
.595	-1.994	-.33120	.22560	.05230
.598	-.957	-.31870	.19910	.09870
.598	.090	-.32350	.16490	.13000
.598	.598	-.32620	.14320	.14520
.598	1.108	-.32420	.13270	.16120
.598	2.134	-.31370	.10330	.20030
.598	3.171	-.32330	.06790	.22910
.598	4.216	-.31680	.03470	.26440
.598	6.276	-.31360	-.03670	.33050
.598	8.344	-.31360	-.08060	.40080
	GRADIENT	.00157	-.03092	.03344

RUN NO. 574/ 0 RN/L = 4.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.902	-6.159	-.38660	.46050	.03360
.899	-2.028	-.40970	.33550	.16150
.900	-.982	-.41850	.30350	.19380
.900	.071	-.41350	.27720	.23240
.900	.586	-.42100	.26010	.24510
.900	1.102	-.42560	.24280	.26020
.900	2.140	-.42580	.21310	.29610
.899	3.188	-.42970	.18420	.32780
.900	4.242	-.43580	.15660	.35960
.899	6.326	-.43800	.09150	.42580
.899	8.412	-.44440	.02600	.49290
	GRADIENT	-.00386	-.02874	.03170

0A115 TABULATED FORCE DATA

DATE 10 MAR 80

(E2F0A3) (06 MAR 80)

ANES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPOBRK = 55.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 555/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.952	-6.184	-.40160	.48970	.06510
.951	-2.046	-.40580	.37020	.19870
.948	-.996	-.41980	.33670	.22620
.950	.059	-.42310	.30860	.26030
.947	.575	-.42820	.29070	.27350
.948	1.094	-.43160	.27660	.29000
.949	2.134	-.42910	.24870	.32530
.947	3.182	-.43620	.21570	.35500
.948	4.237	-.42930	.19000	.39130
.947	6.325	-.44330	.12570	.45220
.948	8.412	-.44740	.07230	.52170
	GRADIENT	-.00366	-.02874	.03079

RUN NO. 546/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.201	-6.184	-.32740	.61000	.26170
1.201	-2.055	-.33070	.49550	.31320
1.199	-1.005	-.32830	.46870	.34020
1.200	.050	-.32980	.44190	.36960
1.200	.569	-.33170	.42950	.38400
1.200	1.096	-.32990	.42060	.39880
1.200	2.141	-.32880	.39090	.43390
1.200	3.186	-.32890	.37080	.46590
1.199	4.240	-.33330	.34870	.49910
1.198	6.333	-.33480	.31150	.56220
1.198	8.412	-.32900	.28670	.62330
	GRADIENT	-.00024	-.02337	.02980

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

PAGE 1880

AMES 118-1-11 OAI45A 01

(E2FOA3) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPOBRK = 55.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 527/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.293	-6.212	-33430	.62430	.33140
1.296	-2.058	-35110	.51950	.37130
1.297	-1.003	-34890	.49600	.38220
1.296	.066	-34990	.47460	.39560
1.296	.578	-34940	.46420	.40450
1.296	1.106	-35030	.45550	.41750
1.295	2.155	-34590	.43040	.44590
1.295	3.205	-34770	.41030	.47360
1.295	4.272	-34220	.39830	.50630
1.293	6.366	-33220	.37250	.57010
1.294	8.457	-32510	.32900	.63620
	GRADIENT	.00113	-.01962	.02180

RUN NO. 524/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.396	-6.145	-30940	.64620	.35370
1.399	-1.957	-31920	.55030	.44100
1.398	-.875	-32090	.52800	.44830
1.398	.201	-32150	.50940	.45430
1.397	.722	-32160	.50250	.45800
1.396	1.267	-32180	.49780	.46400
1.396	2.347	-31990	.47880	.48240
1.396	3.413	-31880	.46660	.50740
1.398	4.461	-31520	.44890	.53580
1.393	6.552	-30660	.39370	.59530
1.394	8.566	-29340	.28900	.65540
	GRADIENT	.00062	-.01522	.01450

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

PAGE 1881

AMES 118-1-11 OAI45A 01

(E2F0A4) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 BETA = .000
 ELEVON = .000 AILRON = .000
 BOFLAP = .000 SPDBRK = 55.000
 RN/L = 5.000

RUN NO. 593/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
.598	-14.970	-.23510	.08530	.06900
.598	-10.771	-.23070	.08530	.07050
.598	-4.924	-.23130	.08500	.06960
.598	-2.442	-.23030	.08480	.06960
.598	-.123	-.23040	.08450	.07030
.598	2.479	-.23060	.08550	.06890
.598	4.996	-.23040	.08480	.06940
.598	10.051	-.22750	.08600	.07140
.598	15.022	-.22790	.08740	.06940
.598	18.116	-.22650	.08530	.07170
.598	22.658	-.23240	.08920	.06940
	GRADIENT	.00006	.00001	-.00005

RUN NO. 577/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
.798	-14.940	-.25400	.13570	.11620
.799	-10.709	-.25550	.13470	.11330
.799	-4.961	-.25490	.13500	.11390
.799	-2.459	-.25800	.13590	.11270
.800	-.103	-.25370	.13720	.11440
.800	2.505	-.25290	.13650	.11470
.799	4.996	-.25220	.13620	.11530
.799	10.027	-.25350	.13480	.11320
.800	14.996	-.25190	.13830	.11440
.799	18.107	-.24720	.13790	.11750
.798	22.818	-.26060	.13510	.10980
	GRADIENT	.00042	.00012	.00019

C-11

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

PAGE 1882

AMES 118-1-11 0A145A 01

(E2F0A4) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.8800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = .000
ELEVON = .000
BD/FLAP = .000
RN/L = 5.000
BETA = .000
AILRON = .000
SPDRK = 55.000

RUN NO. 571/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
.900	-14.970	-30340	.18140	.15970
.901	-10.754	7.57420	.47840	.47120
.901	-4.947	-29390	.18320	.16130
.900	-2.418	7.86140	.62460	.62310
.901	-.089	-29530	.18230	.16020
.899	2.513	-29640	.18060	.15720
.900	5.014	-29130	.18220	.15920
.900	10.011	-28990	.18110	.15820
.900	15.014	-28360	.18290	.16000
.899	18.143	-28010	.18110	.16030
.900	19.608	-28540	.18340	.15920
	GRADIENT	-31625	-.01745	-.01843

RUN NO. 558/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
.951	-14.970	-37480	.21980	.19750
.952	-10.762	-37220	.22140	.19840
.951	-4.961	-37320	.21970	.19730
.951	-2.426	-37570	.21830	.19560
.950	-.096	-37360	.21880	.19680
.951	2.488	-37210	.22010	.19680
.951	5.024	-37700	.21910	.19580
.951	10.027	-37390	.22090	.19660
.951	15.022	-36800	.22160	.19860
.950	18.125	-36930	.21910	.19620
.951	22.771	-36430	.22030	.19660
	GRADIENT	.00022	.00007	-.00001

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

PAGE 1883

AMES 118-1-11 OAI45A 01

(E2FOA4) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPDBRK = 55.000
 RN/L = 5.000

RUN NO. 543/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
1.201	-14.976	-29790	.38390	.35360
1.203	-10.745	-29850	.38590	.35520
1.201	-4.939	-29730	.38520	.35410
1.201	-2.434	-29470	.38440	.35430
1.201	-1.16	-29360	.38540	.35490
1.202	2.531	-30000	.38540	.35390
1.201	5.014	-29920	.38440	.35420
1.201	10.035	-29750	.38520	.35430
1.201	15.031	-29100	.38520	.35410
1.200	18.125	-29380	.38240	.35340
1.201	22.649	-29340	.38490	.35410
	GRADIENT	-1.00030	.00006	-1.00000

AMES 118-1-11 OAI45A 01

(E2FOA5) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPDBRK = 55.000
 RN/L = 5.000

RUN NO. 584/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.597	-14.976	-23720	-23650	-23910	-23860	-25200	-25200	-26390	-27550	.15680	.13280
.598	-10.762	-23570	-23240	-23190	-23220	-25100	-25100	-25920	-27750	.15770	.13370
.598	-4.947	-23600	-23340	-23440	-22940	-25160	-25160	-26040	-27460	.15630	.13350
.599	-2.434	-23360	-23000	-23290	-23290	-24850	-24850	-25950	-27320	.15740	.13670
.599	-213	-23300	-23390	-23130	-23650	-24850	-24850	-26130	-27310	.15970	.13450
.598	2.022	-23040	-23510	-23250	-23010	-25270	-25270	-25940	-27310	.15500	.13130
.598	5.014	-23110	-23270	-23300	-23200	-24710	-24710	-25560	-27010	.15690	.13490
.598	9.995	-23310	-23000	-23520	-23310	-24280	-24280	-25700	-26980	.15900	.13730
.598	15.031	-23180	-23510	-23470	-23390	-24690	-24690	-25500	-27420	.15860	.13370
.597	18.125	-23560	-23460	-23700	-23390	-25110	-25110	-25660	-27370	.15900	.13090
.598	22.846	-23630	-23680	-23560	-23340	-24870	-24870	-25940	-27130	.15480	.13260
	GRADIENT	.00075	-1.00037	.00032	-1.00027	-1.00024	-1.00024	.00005	.00020	-1.00006	-1.00036

(E2FOA5) (08 JUL 77)

PARAMETRIC DATA

5.000	BETA	=	.000
.000	AILRON	=	.000
.000	SPDBRK	=	55.000
5.000			

ALPHA -
ELEVON -
BDF LAP -
RN/L -

REFERENCE DATA

XSREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN.	XO
YLSREF	=	474.8100	INCHES	YMRP	=	.0000	IN.	YO
ZLSREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN.	ZO
SCALE	=	.0500						

PRIN NO	583/ 0	BN/L	=	4.96	GRADIENT INTERVAL	=	-5.00/	5.00
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[illegible]

DATA NO	ECO/ C	BN/1	4.05	GRADIENT INTERVAL	= -5.00/	5.00
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MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.900	-14.976	-26280	-26880	-26660	-26310	-32730	-32730	-33040	-33450	.24170	.20900
.900	-10.745	-26720	-26190	-25760	-25620	-33000	-33000	-33500	-33000	.24170	.20740
.899	-4.939	-26840	-26290	-26270	-26290	-32090	-32090	-33150	-33870	.24390	.20970
.901	-2.426	-26410	-26770	-25620	-26190	-32230	-32230	-32210	-32400	.24520	.21000
.900	-.096	-26160	-25960	-26270	-26830	-32790	-32790	-32930	-33130	.24030	.20640
.899	2.531	-26150	-26180	-25890	-25960	-32080	-32080	-33070	-33090	.24370	.20910
.900	4.968	-25810	-26440	-26670	-25720	-31800	-31800	-32920	-33110	.24510	.20980
.900	10.011	-26270	-25870	-26590	-26450	-32070	-32070	-32890	-33370	.24250	.20880
.900	15.014	-26390	-25930	-26010	-26000	-32110	-32110	-31990	-32010	.24380	.20830
.899	18.143	-27110	-26390	-26300	-26770	-31490	-31490	-32260	-32240	.24300	.20770
.900	22.818	-25920	-26090	-25990	-26020	-31800	-31800	-32560	-32130	.24380	.20920
	GRADIENT	.02093	.00011	-.00042	.00057	.00031	.00031	-.00016	.00034	.00004	-.00002

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(E2FOAS) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPDBRK = 55.000
 RN/L = 5.000

RUN NO. 562/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.951	-14.965	-28840	-28660	-28940	-29200	-34080	-34080	-35450	-36170	.27970	.24520
.951	-10.727	-28440	-28380	-28430	-28260	-34690	-34690	-35350	-35880	.27970	.24320
.950	-4.947	-28590	-28770	-28800	-28310	-34650	-34650	-35350	-35240	.27800	.24210
.949	-2.459	-28940	-29320	-29730	-29970	-34960	-34960	-35420	-35830	.27550	.23830
.950	-.096	-28320	-28170	-28290	-28620	-34770	-34770	-35590	-35500	.27780	.24030
.951	2.505	-28280	-28240	-28640	-27800	-34170	-34170	-35380	-35850	.27860	.24330
.951	5.024	-28290	-28320	-28680	-27880	-34040	-34040	-34920	-36210	.27800	.24330
.950	10.027	-29030	-28870	-28720	-28660	-33920	-33920	-35070	-35670	.28080	.24270
.950	15.005	-28600	-28500	-28290	-28520	-33970	-33970	-34740	-35170	.27770	.24180
.949	18.134	-28430	-29080	-28990	-29060	-34080	-34080	-34910	-34980	.27700	.24020
.951	22.780	-28880	-28550	-28330	-28660	-33490	-33490	-34470	-35150	.27880	.24270
	GRADIENT	.00062	.00110	.00076	.00077	.00067	.00067	.00010	.00061	.00017	.00023

RUN NO. 541/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.201	-14.976	-31930	-31530	-31750	-31510	-32200	-32200	-32930	-33370	.41610	.36150
1.202	-10.745	-32400	-32080	-32220	-32490	-32570	-32570	-32870	-33260	.41750	.36130
1.202	-4.954	-31550	-31780	-31970	-31520	-32300	-32300	-32500	-32910	.41970	.36250
1.201	-2.434	-31550	-31580	-31710	-31930	-32310	-32310	-32920	-33060	.41770	.36130
1.201	-.751	-31750	-31590	-31780	-31640	-32150	-32150	-32280	-33070	.41800	.36230
1.200	-.103	-31610	-31870	-31750	-31360	-32060	-32060	-32360	-33160	.41730	.36120
1.202	2.513	-31680	-31230	-31220	-31640	-32270	-32270	-32560	-33120	.41850	.36130
1.201	5.005	-32070	-32460	-32060	-31740	-32490	-32490	-32560	-33320	.41770	.36170
1.202	10.027	-31700	-31950	-31920	-31730	-32270	-32270	-32900	-33460	.41890	.36160
1.202	15.014	-31780	-31670	-32150	-31650	-32190	-32190	-32650	-33400	.41870	.36230
1.201	18.134	-31510	-31670	-31390	-31740	-32230	-32230	-32760	-33120	.41830	.36130
1.201	22.677	-31530	-31400	-31530	-31500	-31730	-31730	-32580	-32940	.41830	.36240
1.200	GRADIENT	.00020	.00056	.00088	.00007	.00014	.00014	.00018	.00029	.00016	.00014

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REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BOFLAP = .000 SPDBRK = 55.000
 RN/L = 5.000

RUN NO. 529/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.305	-14.752	-32200	-32340	-32030	-32190	-32650	-32650	-33080	-33500	.44770	.38930
1.301	-10.691	-32020	-32210	-32210	-32320	-32900	-32900	-33180	-33600	.44570	.38620
1.299	-5.359	-31950	-31930	-31950	-31840	-32540	-32540	-32970	-33470	.44480	.38550
1.299	-2.751	-31650	-31770	-31880	-31800	-32450	-32450	-32800	-33000	.44460	.38560
1.297	-1.141	-32280	-31910	-32110	-32100	-32510	-32510	-33040	-33360	.44440	.38510
1.299	2.333	-31830	-31870	-31770	-31920	-32500	-32500	-32770	-33030	.44610	.38570
1.299	4.802	-32170	-31920	-31970	-32200	-32550	-32550	-32870	-33470	.44570	.38620
1.299	9.756	-32250	-32420	-32240	-32250	-32650	-32650	-33150	-33480	.44640	.38690
1.299	14.582	-32140	-32450	-32520	-32330	-32830	-32830	-33070	-33730	.44430	.38570
1.299	18.061	-32170	-32340	-32250	-31990	-32610	-32610	-33140	-33560	.44500	.38550
1.298	22.399	-32105	-32340	-32350	-32340	-32870	-32870	-33200	-33470	.44420	.38410
	GRADIENT			.00003	-0.00041	-0.00012	-0.00012	.00002	-0.00043	.00020	.00009

RUN NO. 520/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.403	-14.736	-30660	-30710	-30540	-30760	-30780	-30780	-30860	-31210	.47710	.44080
1.403	-10.727	-30840	-30860	-30740	-30840	-30800	-30800	-31100	-31280	.47760	.44120
1.405	-5.388	-30400	-30500	-30430	-30540	-30640	-30640	-30700	-31050	.47220	.44190
1.404	-2.784	-30370	-30530	-30360	-30490	-30690	-30690	-30940	-31000	.46960	.44140
1.404	-1.23	-30480	-30580	-30500	-30390	-30730	-30730	-30830	-31180	.48110	.44270
1.404	2.357	-30370	-30410	-30290	-30290	-30540	-30540	-30680	-31000	.46980	.44160
1.404	4.792	-30530	-30440	-30300	-30510	-30670	-30670	-30810	-31090	.47000	.44170
1.404	9.724	-30320	-30410	-30500	-30410	-30780	-30780	-30870	-31150	.46930	.44050
1.404	14.556	-30290	-30310	-30340	-30310	-30640	-30640	-30800	-31080	.46870	.44090
1.404	18.116	-30000	-30230	-30180	-30210	-30460	-30460	-30600	-30780	.46950	.44130
1.403	22.335	-30210	-30250	-30120	-30160	-30400	-30400	-30720	-30960	.47070	.44260
	GRADIENT			.00015	.00002	.00012	.00012	.00022	-0.00004	-0.00037	-0.00001

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REFERENCE DATA

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 LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELEVON = .000 AILRON = .000
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO BDFLAP = .000 SPDBRK = 55.000
 SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 594/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
.599	-14.993	-27270	.18650	.15450
.597	-10.736	-27320	.18750	.15430
.597	-4.932	-27300	.18950	.15410
.597	-2.426	-27750	.18550	.15070
.597	-1.03	-26850	.18970	.15730
.597	2.496	-27010	.18480	.15570
.597	4.996	-27410	.19010	.15170
.597	10.003	-26930	.18710	.15550
.597	15.005	-27030	.18960	.15450
.598	18.107	-26470	.18800	.15750
.598	22.780	-26790	.19100	.15520
	GRADIENT	.00020	.00002	-.00000

RUN NO. 578/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
.798	-14.976	-30710	.23540	.19470
.799	-10.727	-31190	.23760	.19020
.798	-4.932	-30490	.23440	.19460
.799	-2.434	-30830	.23830	.19230
.799	-.096	-30240	.23860	.19580
.799	2.496	-31240	.23100	.18960
.799	5.014	-29900	.23780	.19650
.797	10.027	-31060	.23090	.18920
.799	15.014	-29820	.23640	.19600
.798	18.107	-30210	.23440	.19440
.799	22.818	-29740	.23680	.19680
	GRADIENT	-.00070	-.00041	-.00048

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(E2F0A6) (06 MAR 80)

REFERENCE DATA

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 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPDBRK = 55.000
 RN/L = 5.000

RUN NO. 570/ 0 RN/L = 4.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
.899	-14.970	-35310	.27900	.23450
.901	-10.745	-34960	.28260	.23600
.900	-4.961	5.32610	.59950	.64630
.902	-2.418	-34360	.28270	.23610
.902	-1.103	-34460	.28290	.23770
.899	2.522	-35510	.27870	.23150
.901	4.996	3.58110	.63430	.63090
.900	10.011	-34420	.28000	.23710
.901	15.014	2.58330	.52830	.54620
.901	18.107	-34130	.28220	.23650
.900	22.818	4.66940	.44950	.45210
	GRADIENT	-1.13931	.00275	-.00130

RUN NO. 559/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
.952	-14.965	-36640	.31430	.26800
.950	-10.727	-37240	.31030	.26430
.952	-4.961	-37240	.31380	.26560
.951	-2.451	-37560	.31240	.26440
.951	-.089	-36870	.31280	.26620
.952	2.505	-36490	.31310	.26800
.951	5.005	-36730	.31170	.26630
.952	10.011	-36580	.31450	.26720
.951	15.005	-36980	.31110	.26450
.950	18.107	-36420	.31270	.26530
.950	22.825	-36850	.30940	.26430
	GRADIENT	.00118	-.00007	.00036

0A145 TABULATED FORCE DATA
AMES 118-1-11 0A145A 01

REFERENCE DATA

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LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELEVON = .000 ATLRON = .000
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO BDFLAP = .000 SPDBRK = 55.000
SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 544/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
1.203	-14.965	-32480	.44340	.37030
1.203	-10.754	-32850	.44270	.37020
1.202	-4.954	-32370	.44360	.37130
1.202	-2.451	-32830	.44330	.37000
1.202	-.096	-32350	.44370	.37180
1.203	2.522	-32320	.44420	.37290
1.201	5.024	-32710	.44120	.36970
1.201	10.027	-32810	.44070	.37040
1.201	15.005	-32610	.44080	.37050
1.200	18.143	-32800	.43960	.36930
1.202	22.677	-32460	.44170	.37170
	GRADIENT	.00025	.00009	.00027

RUN NO. 528/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
1.308	-14.741	-34350	.46700	.39830
1.307	-10.655	-34600	.46560	.39750
1.300	-5.381	-34500	.46300	.39310
1.300	-2.792	-34320	.46350	.39310
1.298	-.089	-34570	.46180	.39220
1.298	2.307	-34600	.46240	.39160
1.298	4.848	-34730	.46130	.39140
1.298	9.740	-34600	.46210	.39330
1.298	14.538	-34680	.46050	.39120
1.298	18.080	-34300	.46110	.39250
1.298	22.445	-34210	.46050	.39190
	GRADIENT	-.00050	-.00024	-.00023

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(E2F0A6) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
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 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. X0
 YMRP = .0000 IN. Y0
 ZMRP = 375.0000 IN. Z0

ALPHA = 10.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPDBRK = 55.000
 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 521/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
1.396	-14.752	-32080	.49090	.45220
1.398	-10.682	-32020	.48900	.45200
1.400	-5.351	-31890	.48930	.45350
1.402	-2.751	-31670	.49160	.45440
1.402	-.141	-31740	.49090	.45480
1.402	2.358	-31740	.48910	.45320
1.402	4.820	-31640	.48860	.45460
1.402	9.692	-31730	.48880	.45400
1.402	14.521	-31630	.48930	.45450
1.402	18.080	-31590	.48920	.45400
1.402	22.427	-31400	.48990	.45490
	GRADIENT	.00003	-.00043	-.00004

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. X0
 YMRP = .0000 IN. Y0
 ZMRP = 375.0000 IN. Z0

ALPHA = 15.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPDBRK = 55.000
 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 545/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
1.196	-14.960	-33560	.43890	.36260
1.203	-10.745	-33060	.44410	.36900
1.202	-4.932	-33110	.44480	.36910
1.202	-2.434	-33160	.44390	.36770
1.201	-.103	-32950	.44330	.36870
1.199	2.522	-33100	.44180	.36860
1.202	5.024	-32730	.44360	.37150
1.200	10.019	-33210	.44260	.37020
1.202	15.014	-32710	.44270	.37100
1.198	18.116	-33120	.43960	.36810
1.200	22.686	-32960	.44070	.36950
	GRADIENT	.00009	-.00039	-.00002

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(E2F0A7) (06 MAR 80)

REFERENCE DATA

SREF
LREF
BREF
SCALE

■	1076.6800	IN.	XO
■	.0000	IN.	YO
■	375.0000	IN.	ZO

ALPHA	—
ELEVON	—
BD/FLAP	—
RN/L	—

PARAMETRIC DATA

15.000	BETA	=	.000
.000	AILRON	=	.000
.000	SPDRK	=	55.000
5.000			

RUN NO.	522/ 0	RN/L	= 4.96	GRADIENT	INTERVAL	= -5.00/ 5.00
	MACH	RUDDER	CP240	CP12	CP13	
	1.393	-14.731	-31430	.50360	.44610	
	1.394	-10.691	-31950	.50290	.44410	
	1.397	-5.381	-31300	.50340	.44650	
	1.399	-2.776	-31100	.50440	.44760	
	1.398	-.076	-31110	.50340	.44800	
	1.398	2.350	-31070	.50390	.44900	
	1.398	4.648	-31250	.50260	.44680	
	1.398	9.708	-31170	.50380	.44820	
	1.398	14.547	-31270	.50220	.44670	
	1.398	18.089	-30990	.50390	.44850	
	1.398	22.417	-30940	.50170	.44750	
		GRADIENT	-.00016	-.00019	-.00005	

AMES 118-1-11 0A145A 01

(E2F0A8) (08 JUL 77)

REFERENCE DATA

SREF
LREF
BREF
SCALE

=	1076.6800	IN.	XO
=	.0000	IN.	YO
=	375.0000	IN.	ZO

BETA
AILRON
SPDBRK
RN/L

PARAMETRIC DATA

.000	ELEVON	=	.000
.000	BOFLAP	=	.000
55.000	RUDDER	=	-5.000
5.000			

RUN NO.	586/ 0	RN/L =	4.95	GRADIENT INTERVAL =	-5.00/	5.00
P225	CP228	CP231	CP234	CP237	CP240	CP243
24530	-24700	-24480	-24580	-24920	-24920	-24770
24530	-23510	-23530	-23560	-23020	-23020	-23450
23440	-23340	-23720	-23750	-24000	-24000	-24120
24040	-24420	-23730	-23900	-25290	-25290	-26140
23570	-23540	-23500	-23540	-25960	-25960	-27810
23610	-23350	-23490	-23800	-26780	-26780	-28800
23280	-23160	-23230	-23000	-27490	-27490	-30140
23380	-23810	-23310	-24240	-29480	-29480	-31590
26020	-26000	-25880	-26040	-32850	-32850	-34530
00152	-00179	-00040	-00067	-00449	-00449	-00532

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OAI145 TABULATED FORCE DATA
AMES 118-1-11 OAI145A 01

PAGE 1892
(E2FOAB) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

BETA =
AILRON =
SPOBRK =
RN/L =

ELEVON = .000
BDFLAP = .000
RUDDER = -5.000

PARAMETRIC DATA

RUN NO. 580/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.801	-5.059	-25450	-25660	-25600	-25600	-26290	-26290	-25830	-26850	.03070	.02650
.799	-4.714	-25390	-25920	-25520	-25820	-26940	-26940	-26120	-26790	.03590	.02730
.796	.038	-25330	-25400	-24740	-25670	-25670	-25670	-26230	-25950	.13260	.11120
.800	2.593	-24890	-24870	-24540	-25140	-26170	-26170	-26870	-28010	.17330	.14690
.800	5.142	-24820	-24980	-24780	-24650	-27480	-27480	-28480	-29400	.20130	.16610
.800	7.198	-24160	-24160	-23940	-24030	-29070	-29070	-29830	-31690	.21860	.18230
.798	8.227	-23820	-24040	-23720	-24380	-28900	-28900	-30390	-31630	.22720	.19070
.800	10.238	-25040	-24420	-24370	-23990	-31030	-31030	-31800	-32660	.23250	.19270
.800	12.275	-26160	-25560	-26530	-25630	-33380	-33380	-33940	-35490	.24040	.19570
.799	15.268	-30640	-30510	-30760	-30250	-41100	-41100	-41610	-41350	.21530	.17330
	GRADIENT	.00061	.00139	.00138	.00105	.00126	.00126	.00093	.00123	.01900	.01653

RUN NO. 564/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.901	-4.349	-23540	-28730	-28610	-28470	-30150	-30150	-29770	-29930	.10080	.09500
.901	.833	-27130	-26440	-26730	-27040	-30050	-30050	-31670	-32290	.19670	.17320
.900	3.474	-26880	-27410	-26830	-27120	-32520	-32520	-33320	-33570	.22440	.19370
.902	6.033	-26410	-27420	-27540	-26990	-33230	-33230	-33860	-33260	.25410	.21370
.902	8.150	-28460	-28250	-28180	-27480	-35330	-35330	-36010	-36160	.26640	.25520
.899	9.146	-28140	-27230	-27530	-27960	-34340	-34340	-35490	-36170	.27890	.23420
.903	11.171	-28230	-28500	-28540	-28640	-36570	-36570	-37450	-37730	.28090	.23260
.901	13.188	-30350	-30390	-30590	-30220	-39690	-39690	-40290	-40430	.27840	.22880
.901	16.220	-34340	-33040	-33430	-33400	-43420	-43420	-44620	-45600	.26980	.22340
	GRADIENT	.00220	.00207	.00246	.00187	.00258	.00258	.00442	.00464	.01617	.01296

RUN NO. 561/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.951	-5.108	-32120	-32320	-32150	-32170	-40120	-40120	-41330	-42650	.13570	.13510
.948	-.070	-30820	-30940	-30820	-31120	-37690	-37690	-38450	-39870	.21800	.19450
.949	2.460	-30000	-30100	-29860	-30550	-38460	-38460	-39440	-40680	.24870	.21740
.950	5.039	-29360	-29200	-28490	-28890	-34780	-34780	-36200	-36430	.27570	.24060
.950	7.116	-28450	-28020	-28680	-28170	-35030	-35030	-36470	-36940	.29680	.25350
.950	8.149	-28360	-28500	-28790	-28890	-36140	-36140	-37480	-37480	.29860	.25770
.950	10.201	-28930	-28770	-29050	-28820	-37110	-37110	-38170	-38820	.30970	.26250
.950	12.226	-30690	-30390	-30190	-30310	-39390	-39390	-40340	-40730	.31310	.26210
.950	15.248	-33600	-33390	-33530	-34060	-42360	-42360	-43550	-44160	.30920	.26000
	GRADIENT	.00324	.00332	.00379	.00225	.00304	.00304	.00391	.00320	.01213	.00905

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OAI45 TABULATED FORCE DATA

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(E2F0A8) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

BETA =
 ATILRON =
 SPDBRK =
 RN/L =

.000 ELEVON = .000
 .000 BDFLAP = .000
 55.000 RUDDER = -5.000
 5.000

PARAMETRIC DATA

RUN NO. 548/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.201	-4.121	-29430	-29580	-29560	-29740	-29120	-29120	-29120	-29600	.34600	.34650
1.198	.920	-31080	-30900	-30900	-30850	-30360	-30360	-30820	-31190	.39200	.35430
1.197	3.489	-31330	-31800	-31420	-31390	-31710	-31710	-32390	-32900	.40500	.35420
1.197	6.139	-32100	-32090	-31910	-31910	-32360	-32360	-32520	-32750	.42690	.36100
1.195	8.162	-32810	-33060	-32930	-33200	-32880	-32880	-33000	-33240	.42700	.36120
1.197	9.173	-32820	-32760	-32570	-32940	-32890	-32890	-32760	-33290	.43390	.36470
1.202	10.302	-31790	-31850	-31820	-31920	-32280	-32280	-32730	-33380	.44290	.37270
1.190	12.258	-33440	-33150	-33190	-32830	-33780	-33780	-34210	-34950	.43400	.36030
1.201	15.308	-32830	-32910	-32810	-32960	-33100	-33100	-33500	-33810	.44490	.36950
	GRADIENT	-0.0260	-0.0288	-0.0247	-0.0217	-0.0327	-0.0327	-0.0417	-0.0417	.00794	.00109

RUN NO. 532/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.297	-5.122	-28350	-28450	-28540	-28370	-29090	-29090	-29460	-30050	.37520	.38390
1.300	.086	-30350	-30650	-30380	-30330	-30770	-30770	-30920	-31450	.40580	.39010
1.298	2.488	-30940	-30970	-30930	-30510	-31210	-31210	-31470	-31820	.42450	.38630
1.298	5.125	-31950	-32100	-31990	-31770	-32700	-32700	-33150	-33460	.44470	.38500
1.294	5.709	-32490	-32650	-32670	-32630	-33200	-33200	-33690	-33820	.44780	.38190
1.296	7.165	-33150	-33470	-33420	-33470	-33910	-33910	-34190	-34480	.45360	.38610
1.296	8.157	-33570	-33690	-33640	-33490	-34170	-34170	-34480	-34880	.45420	.38570
1.295	10.201	-34350	-34440	-34440	-34410	-34870	-34870	-35280	-35550	.46170	.39000
1.293	12.260	-35410	-35570	-35600	-35570	-35510	-35510	-35940	-36010	.46510	.38730
1.294	15.291	-35430	-35560	-35570	-35430	-35230	-35230	-35440	-35800	.47370	.39310
	GRADIENT	-0.0229	-0.0124	-0.0214	-0.0070	-0.0171	-0.0171	-0.0214	-0.0144	.00882	-0.00124

RUN NO. 515/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.404	-5.118	-27170	-27240	-27170	-27320	-27810	-27810	-27940	-28380	.39520	.42200
1.410	.107	-28740	-28910	-28890	-28910	-28910	-28910	-29090	-29320	.43820	.43440
1.404	2.643	-30420	-30530	-30450	-30410	-30750	-30750	-30930	-31070	.45090	.43920
1.401	5.104	-30730	-30990	-30960	-31100	-31150	-31150	-31460	-31610	.47870	.44110
1.401	7.150	-31650	-31740	-31770	-31710	-31800	-31800	-31870	-32200	.48160	.44580
1.400	8.172	-31890	-31930	-31910	-32040	-31990	-31990	-32210	-32540	.48160	.45330
1.398	10.241	-32230	-32230	-32310	-32290	-32140	-32140	-32280	-32580	.49340	.45350
1.397	12.248	-32930	-33080	-33190	-33130	-32330	-32330	-32420	-32690	.49570	.44570
1.392	15.282	-33240	-33350	-33320	-33300	-31880	-31880	-32050	-32370	.49820	.44520
	GRADIENT	-0.0663	-0.0639	-0.0615	-0.0592	-0.0726	-0.0726	-0.0726	-0.0690	.00501	.00189

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OAI45 TABULATED FORCE DATA

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(E2F0A9) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPOBRK = 55.000 RUDDER = -5.000
 RN/L = 5.000

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.598	-6.022	-23890	-24150	-23530	-24100	-24940	-24940	-26310	-27330	.30460	-.01390
.598	-1.928	-22920	-23300	-23280	-23660	-24750	-24750	-25980	-27050	.20660	.08680
.599	-.889	-23010	-22820	-22680	-22850	-24470	-24470	-25300	-26270	.18150	.11430
.598	.031	-23230	-23140	-23210	-22990	-25120	-25120	-25920	-27420	.15720	.13260
.598	.503	-23280	-23160	-22900	-23160	-24900	-24900	-25880	-27400	.14880	.14550
.598	1.037	-23110	-22660	-22850	-22830	-25170	-25170	-25790	-27090	.13650	.15640
.598	2.104	-23330	-23260	-23300	-23420	-24930	-24930	-25970	-27730	.10950	.18250
.597	3.144	-24120	-23930	-23880	-23760	-25050	-25050	-26100	-27550	.08450	.20930
.597	4.175	-23740	-23620	-23330	-23360	-25150	-25150	-25630	-27720	.06060	.23350
.597	6.227	-24810	-24500	-24830	-24550	-25240	-25240	-26050	-28070	.01340	.28520
	GRADIENT	-.00168	-.00118	-.00098	-.00050	-.00075	-.00075	-.00019	-.00165	-.02390	.02391

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.797	-6.133	-24640	-24850	-24680	-24290	-27020	-27020	-28160	-29050	.34710	.01210
.797	-2.024	-24000	-24210	-24270	-23760	-26580	-26580	-28160	-29510	.25140	.11680
.799	-.993	-24110	-24760	-24410	-24950	-26850	-26850	-27860	-29190	.22590	.14180
.799	.079	-24300	-24630	-24200	-24370	-26940	-26940	-27600	-28720	.19780	.16710
.799	.521	-24440	-24160	-23610	-24100	-27290	-27290	-28210	-28860	.19100	.17960
.798	1.036	-24430	-24430	-24490	-24540	-26550	-26550	-28380	-29900	.17780	.19700
.799	2.111	-23760	-23740	-23740	-24230	-26550	-26550	-27850	-29570	.15610	.22360
.799	3.155	-24450	-24450	-24090	-24710	-26950	-26950	-27830	-28470	.12590	.24950
.800	4.186	-24250	-24670	-24010	-24610	-27350	-27350	-28140	-29390	.10470	.27330
.801	6.365	-25750	-25000	-25090	-25000	-27590	-27590	-28860	-29570	.05160	.32890
	GRADIENT	-.00026	.00000	.00056	-.00072	-.00066	-.00066	.00105	-.00032	-.02356	.02562

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.901	-6.097	-26380	-26020	-25790	-26430	-29480	-29480	-30450	-30560	.40240	.06030
.900	-1.960	-26240	-26330	-26290	-26050	-33140	-33140	-34010	-35530	.30400	.16490
.900	-.926	-26660	-26510	-26820	-27040	-32790	-32790	-34140	-34780	.27820	.19410
.901	.039	-26570	-26950	-26470	-27070	-31710	-31710	-33060	-33400	.25720	.21910
.901	.506	-26090	-26730	-26520	-25770	-32270	-32270	-32430	-33060	.24550	.23010
.900	1.039	-27110	-27090	-27420	-27690	-33320	-33320	-33030	-33850	.23310	.23870
.900	2.110	-28670	-28070	-28020	-27860	-32760	-32760	-33030	-34420	.20370	.27110
.899	3.165	-29080	-28890	-28280	-28370	-34120	-34120	-34070	-34770	.17690	.29500
.899	4.224	-28770	-28720	-28770	-28370	-35440	-35440	-35770	-37410	.15010	.32020
.898	6.299	-30600	-29930	-30780	-29430	-36010	-36010	-37290	-36830	.10460	.37630
	GRADIENT	-.00526	-.00463	-.00426	-.00380	-.00387	-.00387	.00206	-.00053	-.02496	.02509

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OAI145 TABULATED FORCE DATA

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(E2FOA9) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 55.000 RUDDER = -5.000
 RN/L = 5.000

RUN NO. 557/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.950	-6.112	-28700	-28690	-28940	-29570	-34360	-34360	-35710	-36240	.42000	.08720
.951	-1.965	-27690	-27310	-27140	-27080	-33440	-33440	-34870	-35650	.32570	.19040
.947	-.917	-28070	-29030	-29280	-28880	-34590	-34590	-35800	-35700	.29920	.21300
.950	.157	-28700	-28220	-29140	-28680	-34280	-34280	-35310	-36280	.27610	.24450
.949	.638	-29510	-29300	-28490	-28800	-34070	-34070	-35020	-36420	.26610	.25780
.950	1.160	-28400	-28440	-28680	-28680	-35040	-35040	-35560	-36300	.25250	.26740
.948	2.214	-29280	-29210	-29110	-29740	-35910	-35910	-36990	-37390	.22490	.29130
.948	3.258	-30180	-29410	-29630	-30460	-36210	-36210	-36870	-37920	.20310	.31970
.950	4.295	-30400	-31470	-31620	-31670	-36780	-36780	-38620	-38490	.18440	.34730
.947	6.367	-32950	-33160	-33090	-32930	-38740	-38740	-38920	-40850	.13190	.39690
	GRADIENT	-0.00431	-0.00479	-0.00491	-0.00619	-0.00523	-0.00523	-0.00531	-0.00484	-.02288	.02499

RUN NO. 539/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.201	-6.113	-31600	-31630	-31820	-31730	-31690	-31690	-31630	-32100	.55390	.26240
1.199	-1.946	-31920	-31920	-32040	-31860	-31980	-31980	-32300	-32620	.46050	.31520
1.199	-.910	-31980	-31760	-32090	-31600	-32310	-32310	-32610	-33320	.43730	.33650
1.199	.034	-32250	-32460	-31950	-31810	-32090	-32090	-32470	-33090	.41610	.36080
1.201	.590	-31430	-31280	-31500	-31420	-31750	-31750	-32160	-32930	.40980	.37590
1.199	1.075	-31520	-31510	-31390	-31430	-31770	-31770	-32670	-32940	.39980	.38700
1.200	2.143	-31480	-31570	-31510	-31580	-31800	-31800	-32580	-32980	.38260	.4380
1.201	3.187	-31580	-31330	-31550	-31590	-32110	-32110	-32330	-33410	.36130	.43780
1.201	4.231	-31670	-31120	-31480	-31410	-31710	-31710	-32260	-33160	.34050	.46580
1.201	6.325	-31490	-31380	-31820	-31850	-31750	-31750	-31810	-32360	.31000	.51560
	GRADIENT	.00075	.00138	.00106	.00052	.00048	.00048	.00016	-.00061	-.01891	.02453

RUN NO. 531/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.298	-6.075	-32570	-32390	-32130	-32450	-33220	-33220	-33320	-33730	.55940	.32070
1.300	-1.952	-31880	-31870	-31610	-31750	-32740	-32740	-32950	-33340	.48110	.36480
1.298	-.907	-31510	-31810	-31550	-31550	-32430	-32430	-32860	-33130	.46310	.37250
1.297	.169	-31950	-32020	-32130	-32260	-32440	-32440	-33050	-33350	.44440	.38700
1.298	.639	-31740	-31860	-31730	-31770	-32240	-32240	-32760	-33020	.43560	.39740
1.298	1.165	-31670	-31850	-31500	-31740	-32220	-32220	-32750	-33070	.42610	.40660
1.296	2.220	-31990	-32100	-32040	-32290	-32570	-32570	-32710	-33380	.40790	.42930
1.298	3.264	-32140	-31920	-32080	-32140	-32260	-32260	-32670	-33290	.39470	.45290
1.296	4.303	-31920	-31990	-31890	-31670	-31750	-31750	-31830	-32470	.38400	.47470
1.296	6.377	-31720	-31570	-31320	-31740	-31480	-31480	-31970	-32540	.35160	.52700
1.294		-0.00050	-0.00024	-0.00064	-0.00036	.00106	.00106	.00140	.00100	-.01591	.01835

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REFERENCE DATA

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 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 516/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.406	-6.112	-30090	-29950	-29970	-29910	-30290	-30290	-30480	-30660	.57340	.35510
1.403	-1.961	-31080	-31190	-31080	-31110	-31370	-31370	-31300	-31660	.49880	.41870
1.404	-.916	-30830	-30870	-30990	-30870	-31160	-31160	-31320	-31570	.48420	.42980
1.403	.140	-30960	-31040	-31000	-31100	-31240	-31240	-31350	-31580	.47610	.44000
1.402	.677	-30970	-31000	-31080	-31120	-31140	-31140	-31370	-31500	.47230	.44430
1.403	1.175	-30620	-30830	-30750	-30820	-30890	-30890	-31000	-31320	.46800	.44810
1.403	2.223	-30370	-30360	-30280	-30460	-30630	-30630	-30840	-30860	.45720	.43730
1.404	3.265	-30150	-30310	-30210	-30240	-30280	-30280	-30420	-30580	.42860	.47530
1.402	4.316	-29250	-30390	-30430	-30300	-30260	-30260	-30420	-30670	.40720	.49610
1.400	6.407	-29650	-29720	-29610	-29670	-29970	-29970	-29400	-29630	.35050	.54530
	GRADIENT	.00156	.00146	.00149	.00153	.00198	.00198	.00181	.00198	-.01422	.01166

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPOBRK = 55.000 RUDDER = -5.000
 RN/L = 5.000

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(E2F0B0) (08 JUL 77)

REFERENCE DATA

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 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 588/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.598	-5.996	-24140	-24610	-24330	-24450	-25750	-25750	-26360	-28140	.30120	-.01420
.598	-1.902	-23670	-23570	-23450	-23500	-25340	-25340	-26650	-27690	.20620	.08650
.597	-.865	-23620	-23540	-23930	-23500	-25560	-25560	-26170	-28240	.17820	.11020
.599	.043	-23130	-23720	-23390	-23700	-25390	-25390	-26290	-27710	.15830	.13310
.598	.528	-23340	-23650	-23270	-22820	-25100	-25100	-26660	-27920	.14630	.14770
.598	1.061	-23120	-23500	-23050	-22860	-24980	-24980	-26280	-27220	.13570	.16080
.598	2.130	-23820	-23160	-23230	-23020	-25310	-25310	-26900	-27280	.10720	.18360
.598	3.170	-24240	-23600	-23430	-23680	-25200	-25200	-26570	-28230	.08210	.21190
.598	4.193	-24450	-24310	-24690	-24070	-25270	-25270	-26740	-27900	.05910	.23630
.596	6.244	-25260	-24900	-24000	-24830	-26480	-26480	-26910	-29070	.00740	.28040
	GRADIENT	-.00158	-.00062	-.00098	-.00076	.00031	.00031	-.00057	-.00006	-.02407	.02469

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPOBRK = 55.000 RUDDER = -22.800
 RN/L = 5.000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO

LREF = 474.8100 INCHES YMRP = .0000 IN. YO

BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO

SCALE = .0500

PARAMETRIC DATA

ALPHA =

AIRLON =

SPDRK =

RN/L =

5.000 ELEVON = .000

.000 BDFLAP = .000

55.000 RUDDER = -22.800

5.000

RUN NO. 566/ 0 RN/L = 4.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.900	-6.112	-27000	-27150	-26650	-26820	-32180	-32180	-32790	-33430	.38940	.05110
.900	-1.916	-27160	-26790	-26530	-26910	-33680	-33680	-33950	-35910	.28860	.15780
.900	-.870	-27370	-26860	-26360	-26940	-34000	-34000	-34670	-35880	.26590	.18360
.900	.189	-27510	-26730	-27050	-26760	-32240	-32240	-33090	-34060	.24390	.21370
.900	.673	-27150	-27530	-26810	-27150	-32790	-32790	-33610	-33820	.23100	.22540
.900	1.193	-27280	-27130	-27200	-27250	-32560	-32560	-34320	-33820	.21960	.23890
.900	2.244	-27850	-28280	-28310	-28400	-34020	-34020	-34050	-33760	.19170	.26170
.898	3.286	-28470	-29680	-29140	-28820	-34750	-34750	-36220	-34910	.16400	.28550
.898	4.323	-30740	-30310	-30480	-31170	-35250	-35250	-36260	-36840	.14610	.31320
.895	6.391	-32640	-31330	-31760	-32480	-38540	-38540	-38170	-37810	.08800	.35920
	GRADIENT	-.00523	-.00612	-.00653	-.00633	-.00287	-.00287	-.00390	-.00047	-.02352	.02465

RUN NO. 540/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.201	-6.095	-33780	-33610	-33630	-33660	-33520	-33520	-33360	-33490	.54920	.26130
1.202	-1.922	-31850	-31820	-32030	-32200	-31830	-31830	-31930	-32390	.46070	.31920
1.202	-.885	-32190	-31890	-32190	-31600	-32190	-32190	-32620	-32890	.43680	.34030
1.203	.041	-31430	-31740	-31390	-31350	-31710	-31710	-32190	-32890	.41910	.36370
1.203	.604	-31100	-31100	-31240	-31270	-31690	-31690	-32340	-32820	.41030	.37650
1.202	1.099	-31500	-31440	-31490	-31430	-31920	-31920	-32490	-32760	.40120	.38800
1.201	2.161	-31530	-31790	-31820	-31820	-32060	-32060	-32630	-32960	.39220	.41200
1.201	3.201	-31610	-32070	-31710	-31710	-32400	-32400	-32410	-33060	.36320	.43780
1.203	4.243	-32490	-31820	-31820	-31840	-32510	-32510	-32970	-33460	.34210	.46240
1.199	6.336	-32680	-32900	-32550	-32720	-32330	-32330	-33060	-33280	.30980	.51790
	GRADIENT	-.00043	-.00026	.00005	.00005	-.00104	-.00104	-.00111	-.00142	-.01874	.02338

RUN NO. 517/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.403	-6.102	-30330	-30090	-30150	-30290	-30400	-30400	-30480	-30780	.57280	.35270
1.404	-1.942	-30340	-30360	-30410	-30370	-30680	-30680	-30960	-31050	.49790	.41870
1.404	-.895	-30370	-30300	-30460	-30390	-30790	-30790	-30900	-31080	.48400	.43120
1.404	.180	-30580	-30560	-30460	-30470	-30750	-30750	-30730	-31170	.47820	.44340
1.404	.661	-30290	-30350	-30430	-30470	-30390	-30390	-30730	-31060	.47470	.44760
1.402	1.182	-30380	-30340	-30360	-30580	-30530	-30530	-30820	-31050	.46960	.44860
1.402	2.233	-30070	-30220	-30210	-30300	-30390	-30390	-30590	-30820	.45680	.44860
1.402	3.281	-29880	-30150	-30010	-30220	-29970	-29970	-30350	-30650	.42870	.47980
1.402	4.328	-29850	-30150	-29950	-30080	-29960	-29960	-30370	-30570	.40470	.49640
1.402	6.414	-28870	-28950	-28970	-28960	-28570	-28570	-28810	-28950	.34810	.44500
	GRADIENT	.00101	.00046	.00086	.00049	.00140	.00140	.00109	.00092	-.01449	.1176

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REFERENCE DATA

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 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDGRK = 70.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 753/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.597	-5.037	-25500	-25360	-25430	-25170	-25610	-25610	-25150	-25750	-.03900	-.03550
.600	-.088	-24420	-24680	-24540	-24590	-23850	-23850	-23990	-.23940	.08060	.06830
.599	2.394	-25040	-24900	-24930	-25090	-25130	-25130	-25200	-.25440	.11810	.09860
.597	4.864	-24930	-24930	-24670	-24740	-25250	-25250	-26290	-.27120	.15050	.13160
.598	6.938	-24790	-24620	-24690	-24640	-26610	-26610	-27270	-.29340	.16960	.14510
.597	7.964	-25170	-25210	-25070	-25550	-27100	-27100	-28490	-.30970	.17000	.14900
.596	10.010	-24840	-24530	-24130	-24290	-27160	-27160	-28770	-.32180	.18690	.15390
.595	12.050	-25520	-25710	-25520	-25710	-28910	-28910	-31740	-.34390	.18220	.14840
.597	15.054	-26560	-27110	-26940	-26990	-33030	-33030	-35250	-.35180	.16530	.13020
	GRADIENT	-.00103	-.00051	-.00026	-.00030	-.00283	-.00283	-.00465	-.00642	.01412	.01278

RUN NO. 752/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.799	-5.078	-28180	-27600	-27480	-28100	-27810	-27810	-27920	-.27640	.01800	.01990
.803	-.271	-25950	-26640	-26670	-26430	-26160	-26160	-26180	-.25900	.11080	.10800
.800	2.417	-26300	-26170	-26380	-26430	-26970	-26970	-26710	-.27770	.16240	.13980
.798	4.893	-25690	-25990	-26120	-26140	-27720	-27720	-27660	-.29150	.18650	.16240
.798	6.970	-26450	-26520	-25900	-25980	-29480	-29480	-30340	-.31550	.21040	.17820
.798	8.022	-25640	-25850	-25720	-25960	-29880	-29880	-30950	-.31710	.21690	.18670
.798	10.044	-26860	-26500	-26970	-25900	-31060	-31060	-32630	-.32960	.23250	.19440
.799	12.085	-27520	-26870	-26890	-26890	-34530	-34530	-35700	-.35800	.22870	.19130
.799	15.069	-29960	-29850	-30130	-30200	-39380	-39380	-40650	-.40740	.23040	.18420
	GRADIENT	.00048	-.00070	-.00090	-.00129	-.00302	-.00302	-.00285	-.00630	.01182	.01000

RUN NO. 748/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.900	-5.085	-30240	-30270	-30760	-30140	-30970	-30970	-31600	-.31110	.08260	.08170
.901	-.083	-27510	-27650	-28030	-27800	-29020	-29020	-29360	-.30410	.17910	.15890
.900	2.424	-28070	-27530	-28320	-27500	-31010	-31010	-31510	-.31670	.20790	.18380
.899	5.029	-27530	-27810	-27010	-28030	-33780	-33780	-34760	-.34480	.23830	.20770
.898	5.672	-28260	-27910	-27250	-27600	-33390	-33390	-34720	-.35010	.24350	.21130
.900	7.021	-27810	-27620	-28130	-27990	-34080	-34080	-35330	-.35380	.26000	.22390
.900	8.079	-28040	-27870	-28550	-28380	-35760	-35760	-35850	-.36620	.26370	.22860
.902	10.127	-27780	-27970	-27780	-28360	-35900	-35900	-36020	-.36980	.27910	.23680
.898	15.089	-31400	-31780	-32430	-32570	-42840	-42840	-43930	-.43150	.27460	.22780
	GRADIENT	-.00223	.00048	.00164	.00092	-.00794	-.00794	-.00857	-.00502	.01149	.00993

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 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPDBRK = 70.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 743/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.951	-5.076	-32220	-32590	-32200	-32640	-39350	-39350	-40010	-41030	.13070	.13460
.951	-.060	-30330	-30250	-30360	-30200	-36610	-36610	-37110	-38360	.21490	.19500
.952	2.508	-29290	-29350	-29920	-29900	-36950	-36950	-37660	-38590	.24760	.22160
.952	5.067	-28650	-28270	-28200	-28370	-34470	-34470	-35290	-35950	.27360	.24160
.949	7.105	-28410	-28390	-28550	-28950	-35350	-35350	-35730	-36420	.29230	.25430
.950	8.145	-28070	-28380	-28450	-28680	-36550	-36550	-37000	-37420	.29720	.26960
.951	10.190	-28790	-29130	-28880	-29660	-38660	-38660	-39710	-39290	.30950	.28400
.953	12.219	-30170	-30360	-30390	-30520	-40950	-40950	-42100	-41970	.31060	.26400
.952	15.255	-33800	-32960	-34160	-34130	-44740	-44740	-45630	-45660	.30720	.25720
	GRADIENT	.00405	.00350	.00171	.00117	-.00132	-.00132	-.00214	-.00090	.01273	.01036

RUN NO. 742/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.201	-5.069	-26530	-26640	-26630	-26790	-26320	-26320	-26570	-27040	.33000	.34150
1.198	-.067	-28810	-28550	-28600	-28770	-28380	-28380	-28560	-29110	.37740	.34990
1.202	2.495	-29790	-30000	-29860	-29930	-30030	-30030	-30480	-30900	.39850	.35690
1.198	5.112	-31730	-31760	-31660	-32000	-32490	-32490	-33020	-32500	.41010	.35930
1.199	7.154	-33030	-32850	-33050	-33080	-33800	-33800	-33980	-34210	.42480	.36390
1.199	8.151	-33940	-33160	-33160	-33240	-34080	-34080	-34460	-34830	.42540	.36700
1.199	10.197	-33430	-33430	-33510	-33690	-34020	-34020	-34710	-34960	.43480	.37050
1.199	12.207	-33690	-33820	-33420	-33180	-34470	-34470	-34970	-35110	.43560	.36800
1.199	15.232	-33330	-32980	-33230	-33220	-34480	-34480	-34540	-35120	.43880	.36680
1.201	GRADIENT	-.00382	-.00566	-.00492	-.00453	-.00644	-.00644	-.00749	-.00699	.00823	.00273

RUN NO. 735/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.400	-5.075	-25500	-25410	-25480	-25560	-26380	-26380	-26790	-27160	.35590	.42560
1.404	-.026	-29070	-27930	-27950	-27930	-28220	-28220	-28420	-28520	.43700	.43680
1.404	.397	-28520	-28300	-28310	-28420	-28780	-28780	-29020	-29280	.43780	.43460
1.402	2.487	-29960	-29850	-30040	-30130	-30490	-30490	-30570	-30810	.45170	.44370
1.399	5.073	-31010	-31090	-31040	-31170	-31570	-31570	-31740	-32100	.47390	.44220
1.399	7.115	-32240	-32160	-32310	-32370	-32370	-32370	-32650	-32660	.48580	.45130
1.399	8.148	-32510	-32390	-32460	-32510	-32650	-32650	-32880	-32950	.48290	.45500
1.400	10.206	-32840	-32790	-32790	-32850	-32910	-32910	-32970	-33200	.49420	.45770
1.397	12.194	-33530	-33440	-33500	-33480	-33220	-33220	-33400	-33650	.49460	.44990
1.397	15.258	-33950	-33880	-33890	-33960	-33150	-33150	-33390	-33560	.50100	.44940
1.397	GRADIENT	-.00732	-.00757	-.00830	-.00857	-.00876	-.00876	-.00819	-.00818	.00610	.00380

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(E2F082) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 70.000 RUDDER = .000
RN/L = 5.000

RUN NO. 754/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.599	-6.027	-23790	-23580	-24170	-23980	-24830	-24830	-25400	-27160	-29450	-01070
.598	-1.921	-24680	-24400	-24780	-24590	-25260	-25260	-26180	-27420	-19740	-08240
.598	-.985	-23820	-24050	-24150	-24220	-25170	-25170	-25800	-26890	-17560	-11040
.599	.111	-24570	-24920	-24920	-24310	-25550	-25550	-25520	-26890	-14600	-13010
.597	.613	-24660	-24610	-24490	-24250	-25370	-25370	-25910	-27260	-14200	-14790
.598	1.131	-24730	-24570	-24540	-24730	-25730	-25730	-26440	-27640	-13080	-15730
.598	2.176	-24470	-24470	-24540	-24560	-25370	-25370	-25960	-27610	-10440	-18530
.598	3.211	-24760	-24710	-24780	-25110	-25300	-25300	-26220	-27820	-07590	-21020
.597	4.243	-24710	-24690	-24450	-24900	-25330	-25330	-26440	-27530	-05650	-23370
.597	6.312	-25620	-25740	-26040	-25930	-25910	-25910	-26660	-27680	-00300	-28260
	GRADIENT	-00062	-00059	.00002	-00108	-00010	-00010	-00074	-00093	-02313	-02461

RUN NO. 751/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.800	-6.065	-25080	-25380	-25050	-25210	-26560	-26560	-27010	-27100	-34240	-01870
.799	-1.946	-25340	-25660	-25150	-25230	-26720	-26720	-27390	-28560	-24510	-01970
.800	-.905	-25430	-25560	-25920	-25860	-26880	-26880	-27850	-29100	-21780	-14600
.799	.118	-26110	-26430	-26410	-26040	-26930	-26930	-28020	-29270	-19030	-17070
.799	.639	-26060	-26210	-25870	-26060	-27080	-27080	-27680	-29160	-18350	-18350
.799	1.159	-26560	-26050	-26290	-26290	-27480	-27480	-28090	-29660	-16810	-19510
.799	2.195	-26110	-25700	-25550	-26240	-27260	-27260	-28020	-29380	-14620	-22290
.798	3.240	-26250	-27000	-26630	-26520	-27440	-27440	-28610	-30350	-11850	-24990
.799	4.277	-27080	-26230	-26500	-26400	-27590	-27590	-28480	-29850	-09700	-27480
.797	6.353	-27550	-27290	-27080	-27510	-27690	-27690	-28990	-30250	-04200	-32880
	GRADIENT	-00235	-00130	-00160	-00172	-00140	-00140	-00169	-00226	-02369	-02498

RUN NO. 749/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.901	-6.087	-27960	-28380	-27690	-28070	-32200	-32200	-33520	-34180	-38500	-05680
.901	-1.955	-26950	-27400	-27430	-27380	-33300	-33300	-34290	-34530	-28820	-15800
.900	-.906	-27410	-27750	-27360	-27820	-33800	-33800	-34210	-34890	-26200	-18310
.901	.125	-15440	-26050	-02330	-01640	-33290	-33290	-00000	-34890	-23900	-21090
.902	.653	-27910	-27650	-27460	-27500	-33410	-33410	-34210	-34130	-22480	-22310
.902	1.165	-27180	-27440	-27300	-27160	-32410	-32410	-33010	-33250	-21600	-23980
.902	2.210	-27760	-27430	-27110	-27910	-33340	-33340	-34050	-34590	-18990	-26520
.901	3.258	-28060	-28820	-28820	-28800	-33290	-33290	-34490	-34260	-16540	-29230
.899	4.297	-28790	-29720	-29630	-29580	-34970	-34970	-35880	-35310	-14050	-31240
.898	6.375	-30530	-29880	-30710	-29720	-36390	-36390	-36440	-35670	-08780	-36570
	GRADIENT	-01613	-00359	-01123	-01142	-00139	-00139	-00190	-01151	-02347	-02525

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(E2F082) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA =
 AILRON =
 SPOBRK =
 RN/L =
 5.000 ELEVON = .000
 .000 BDFLAP = .000
 70.000 RUDDER = .000
 5.000

RUN NO. 744/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.952	-6.142	-30500	-30230	-30100	-29870	-35410	-35410	-36260	-37170	.41860	.08980
.953	-1.975	-28220	-28530	-28350	-27920	-35070	-35070	-36610	-36800	.32690	.19310
.951	-.932	-28440	-27910	-28000	-28300	-34150	-34150	-35100	-35990	.29900	.21640
.950	.137	-28620	-28420	-28680	-28580	-33880	-33880	-34670	-35470	.27220	.24370
.951	.618	-28850	-28350	-28450	-28810	-34580	-34580	-34920	-35000	.25960	.25420
.950	1.143	-28100	-28630	-29110	-28930	-33810	-33810	-35410	-35270	.24910	.26890
.951	2.203	-28760	-28990	-28910	-28870	-34240	-34240	-35490	-36240	.22530	.29710
.950	3.252	-29760	-29920	-29540	-29440	-35120	-35120	-37080	-36600	.20030	.32280
.950	4.290	-30780	-30570	-30820	-30320	-35880	-35880	-38070	-38600	.17830	.34810
.949	6.362	-30890	-32350	-31890	-32170	-38990	-38990	-39800	-40740	.12920	.39910
	GRADIENT	-00357	-00373	-00373	-00333	-00161	-00161	-00328	-00273	-.02356	.02505

RUN NO. 741/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.201	-6.095	-32200	-32020	-32090	-32020	-32870	-32870	-33040	-33150	.54260	.26180
1.199	-1.954	-31580	-31420	-31280	-31310	-31980	-31980	-32050	-32290	.45360	.31500
1.199	-.905	-31910	-31710	-31840	-32080	-32030	-32030	-32520	-32770	.43150	.33760
1.198	.147	-32040	-31820	-31890	-31850	-32510	-32510	-32870	-32890	.40830	.36120
1.199	.625	-31450	-31710	-31720	-31940	-32040	-32040	-32540	-33090	.40010	.37440
1.201	1.147	-31480	-31300	-31480	-31210	-31940	-31940	-32350	-32620	.39090	.38880
1.199	2.202	-31520	-31380	-31160	-31600	-31760	-31760	-32200	-32710	.37090	.41460
1.198	3.233	-31370	-31190	-31090	-31050	-31620	-31620	-32380	-32330	.35120	.43990
1.197	4.296	-31870	-31660	-31630	-31500	-31590	-31590	-32310	-33000	.33180	.46540
1.198	6.366	-30220	-30440	-30620	-30600	-31010	-31010	-31020	-31800	.30250	.52140
	GRADIENT	.00021	.00029	.00044	.00065	.00095	.00095	.00006	-.00030	-.01932	.02437

RUN NO. 736/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.403	-6.144	-30740	-30620	-30590	-30650	-31220	-31220	-31380	-31530	.57430	.35500
1.406	-1.981	-30790	-30810	-30830	-30910	-31370	-31370	-31560	-31700	.49690	.42420
1.404	.920	-31060	-30940	-31120	-31010	-31460	-31460	-31740	-31880	.48210	.43430
1.403	.623	-30940	-30940	-30850	-31010	-31390	-31390	-31650	-31750	.47500	.44450
1.402	1.159	-31110	-31020	-31110	-31180	-31430	-31430	-31690	-31760	.47100	.44780
1.403	2.215	-31140	-31140	-31060	-30930	-31260	-31260	-31500	-31630	.46830	.45300
1.402	3.273	-30420	-30280	-30280	-30450	-30780	-30780	-30890	-30970	.45890	.46240
1.402	4.323	-30100	-30060	-30200	-30260	-30480	-30480	-30740	-30960	.44470	.48220
1.402	6.399	-30170	-30070	-30070	-29970	-30240	-30240	-30410	-30620	.41710	.50280
1.400	GRADIENT	-29290	-29250	-28990	-29230	-29110	-29110	-29370	-29550	.34660	.55060
		.00159	.00163	.00160	.00173	.00208	.00208	.00217	.00201	-.01128	.01195

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REFERENCE DATA

SREF = 2630.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 70.000
RN/L = 5.000

RUN NO. 756/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.597	-14.970	-24540	-24090	-24110	-24630	-25520	-25520	-26320	-27200	.14910	.13080
.598	-10.754	-24250	-24540	-24560	-24870	-25320	-25320	-26200	-27230	.15010	.13240
.598	-4.939	-24320	-24610	-24920	-24990	-25770	-25770	-26100	-27330	.15070	.12950
.598	-2.442	-24700	-24820	-24920	-24580	-25370	-25370	-26290	-27430	.15290	.13290
.598	-1.110	-24570	-24750	-24680	-24780	-24910	-24910	-26300	-27320	.15340	.13450
.597	2.522	-25180	-24890	-24280	-24630	-25820	-25820	-26340	-27170	.14790	.12810
.598	5.014	-24400	-24630	-24370	-24140	-25070	-25070	-26200	-27050	.15140	.13290
.598	10.027	-24360	-24550	-24620	-24260	-25030	-25030	-25950	-26730	.15140	.13200
.598	15.014	-24120	-24260	-24140	-24090	-25300	-25300	-25680	-27070	.14910	.12810
.598	18.134	-23710	-23690	-23670	-23620	-24320	-24320	-25140	-26670	.15310	.13360
	GRADIENT	-100100	-100031	.00027	.00036	.00010	.00010	.00030	.00024	-.00033	-.00012

RUN NO. 747/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.902	-14.993	-27150	-27010	-26580	-26850	-34290	-34290	-34890	-35410	.23590	.21190
.901	-10.754	-27880	-27080	-27530	-27550	-33770	-33770	-34430	-34980	.23590	.21210
.901	-4.954	-27090	-27400	-27110	-27420	-33900	-33900	-34420	-34920	.23730	.21050
.900	-2.434	-27660	-27790	-27820	-27930	-33960	-33960	-34650	-35510	.23580	.20980
.901	-.096	-27400	-27250	-27300	-27160	-33580	-33580	-34070	-34840	.23650	.21100
.901	2.505	-26850	-27140	-27140	-27090	-32940	-32940	-33870	-34330	.24080	.21290
.901	5.024	-27400	-27320	-27260	-26930	-33610	-33610	-34640	-34950	.23650	.20980
.901	10.011	-27110	-27460	-26900	-27360	-32560	-32560	-33580	-34920	.23740	.21250
.901	15.022	-26630	-27040	-27060	-27270	-32780	-32780	-33630	-34550	.23830	.21000
.901	18.125	-26350	-26640	-25920	-26800	-31970	-31970	-33000	-33120	.24240	.21220
	GRADIENT	.00040	.00053	.00017	.00070	.00132	.00132	.00090	.00096	.00046	.00034

RUN NO. 746/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.951	-14.976	-29710	-29390	-29210	-29250	-34650	-34650	-36310	-36870	.27020	.24490
.951	-10.736	-28590	-28700	-28770	-28970	-34450	-34450	-35490	-36300	.27200	.24510
.952	-4.961	-28820	-28890	-28630	-28810	-34230	-34230	-35160	-36300	.27230	.24530
.951	-2.434	-28750	-29000	-28720	-28700	-34300	-34300	-34960	-35080	.27050	.24360
.951	-.103	-28690	-28450	-28110	-28500	-34060	-34060	-34950	-35380	.27210	.24380
.951	2.496	-28820	-28690	-28040	-28720	-34210	-34210	-34510	-35330	.27150	.24280
.951	5.033	-28520	-28220	-28100	-28090	-33810	-33810	-34700	-35170	.27440	.24350
.952	10.019	-28850	-28770	-28820	-28420	-34140	-34140	-34810	-34700	.27350	.24260
.952	15.022	-28710	-28920	-28480	-28420	-33890	-33890	-34300	-34490	.27360	.24310
.950	18.134	-29160	-29160	-28810	-28910	-34060	-34060	-34380	-35200	.27190	.24050
	GRADIENT	.00002	.00045	.00095	.00018	.00012	.00012	.00080	.00038	-.00004	-.00030

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(E2F0B3) (08 JUL 77)

REFERENCE DATA

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 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA =
 ELEVON =
 BDFLAP =
 RN/L =

5.000 BETA =
 .000 AILRON =
 .000 SPDBRK =
 5.000

RUN NO. 739/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.199	-14.965	-31110	-31150	-30870	-30950	-31520	-31520	-32000	-32370	41210	36240
1.199	-10.754	-31330	-31520	-31260	-31450	-31830	-31830	-32210	-32540	41190	36190
1.199	-4.961	-31970	-31410	-31560	-31590	-32060	-32060	-32520	-32690	41070	36060
1.199	-2.434	-32340	-32000	-31710	-31740	-32320	-32320	-32660	-33050	40970	36000
1.200	.089	-31900	-31830	-31730	-31600	-32340	-32340	-32560	-32700	41130	36060
1.200	2.513	-32000	-32170	-31700	-31830	-32320	-32320	-32940	-32930	41180	35990
1.199	5.024	-32070	-32000	-31800	-32030	-32590	-32590	-33050	-32910	41010	35880
1.199	10.011	-31270	-31530	-31260	-31470	-31750	-31750	-32230	-32180	41180	36020
1.200	15.022	-30850	-30920	-30800	-30720	-31450	-31450	-32020	-32070	41220	36120
1.199	18.116	-30150	-30600	-30270	-30270	-31110	-31110	-31740	-31860	41300	36150
1.201	GRADIENT	.00013	.00086	.00018	.00024	.00032	.00032	.00047	.00016	.00020	.00006

RUN NO. 738/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.404	-14.970	-30860	-30820	-30850	-30820	-31300	-31300	-31430	-31730	47710	44540
1.403	-10.762	-31160	-31120	-31130	-31150	-31480	-31480	-31680	-31810	47330	44460
1.403	-4.924	-31500	-31290	-31230	-31360	-31620	-31620	-31830	-31930	47540	44490
1.403	-2.434	-31140	-31030	-30990	-31140	-31240	-31240	-31680	-31780	47640	44680
1.404	.116	-30880	-30940	-31040	-31010	-31290	-31290	-31530	-31660	47680	44490
1.402	2.513	-31300	-31270	-31170	-31290	-31630	-31630	-31900	-32020	47470	44380
1.404	5.005	-31010	-31010	-31030	-31160	-31360	-31360	-31600	-31780	47680	44700
1.404	10.011	-30940	-30910	-30890	-30990	-31440	-31440	-31550	-31790	47640	44450
1.404	14.785	-30630	-30670	-30770	-30750	-31080	-31080	-31230	-31440	47550	44490
1.403	18.107	-30370	-30300	-30340	-30220	-30820	-30820	-31070	-31240	47580	44380
1.404	GRADIENT	.00034	.00005	.00005	.00013	.00004	.00004	.00003	.00007	.00007	.00021

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PAGE 1904

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(E2F084) (08 JUL 77)

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 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

ALPHA = .000
 AILRON = .000
 SPOBRK = .000
 RN/L = .000
 ELEVON = .000
 BOFLAP = .000
 RUDDER = .000
 5.000
 70.000
 5.000

PARAMETRIC DATA

RUN NO. 755/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.597	-6.047	-24540	-24640	-24040	-24420	-25680	-25680	-26010	-26910	.29420	-.01640
.597	-1.913	-24410	-24380	-24570	-23860	-25240	-25240	-25660	-26910	.20170	.08520
.597	-.877	-24480	-24760	-24740	-24330	-25550	-25550	-26330	-27820	.17560	.11010
.598	.120	-23990	-24250	-24930	-24720	-25200	-25200	-26500	-27160	.14890	.13300
.598	.618	-25080	-24250	-24660	-24770	-25750	-25750	-26690	-27730	.13820	.14410
.597	1.134	-24770	-24360	-24270	-24600	-25320	-25320	-26080	-27540	.12960	.16000
.597	2.181	-24300	-24090	-24590	-24660	-25630	-25630	-26320	-27730	.09940	.18340
.597	3.214	-25260	-24690	-25070	-24880	-25830	-25830	-26520	-28340	.07510	.20770
.597	4.250	-25340	-24770	-25100	-24650	-25800	-25800	-26580	-27670	.05310	.23260
.597	6.315	-25500	-25590	-25620	-25810	-25550	-25550	-26680	-28480	.00270	.28540
.597	GRADIENT	-.00154	-.00034	-.00068	-.00113	-.00089	-.00089	-.00096	-.00132	-.02422	.02397

RUN NO. 750/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.902	-6.080	-27640	-27730	-27020	-27860	-32370	-32370	-32810	-33730	.38440	.05800
.903	-1.943	-26640	-26800	-27020	-27400	-33100	-33100	-33880	-34850	.29210	.16100
.900	-.900	-27350	-27610	-27270	-27650	-33620	-33620	-34590	-35140	.26240	.18490
.902	.156	-27980	-27840	-26990	-27530	-33810	-33810	-34420	-35100	.23660	.21150
.899	.677	-27560	-28270	-28470	-28080	-33310	-33310	-34620	-35340	.22560	.22330
.902	1.181	-27900	-28180	-28350	-27680	-33420	-33420	-33690	-34460	.21650	.23830
.900	2.221	-28900	-28350	-28300	-29170	-33250	-33250	-33600	-34300	.18880	.26410
.901	3.264	-28390	-28540	-28030	-28310	-34580	-34580	-34410	-34850	.16560	.28930
.900	4.303	-29460	-29430	-28570	-29840	-35160	-35160	-35210	-36320	.14340	.31490
.898	6.381	-30670	-30460	-30520	-30290	-36470	-36470	-37200	-37070	.08810	.36870
.898	GRADIENT	-.00398	-.00347	-.00245	-.00354	-.00265	-.00265	-.00091	-.00098	-.02358	.02485

RUN NO. 745/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.950	-6.095	-29780	-29680	-29740	-29980	-35840	-35840	-36300	-37210	.41680	.08840
.952	-1.962	-28180	-28330	-28400	-28630	-35270	-35270	-36090	-37630	.32570	.19260
.951	-.924	-28070	-28220	-27740	-28490	-34030	-34030	-35030	-35410	.29930	.21890
.951	.150	-28570	-28520	-28600	-28650	-33970	-33970	-34880	-35710	.27110	.24460
.952	.627	-28420	-28090	-28830	-28790	-34710	-34710	-35360	-35580	.26190	.25640
.951	1.155	-28760	-28760	-28910	-28430	-34630	-34630	-35530	-36010	.24820	.26850
.950	2.211	-28470	-28080	-29120	-29430	-35070	-35070	-35530	-36320	.22420	.29460
.950	3.255	-30570	-30520	-30320	-30590	-36280	-36280	-37020	-39300	.19830	.32020
.950	4.292	-30400	-30410	-29950	-30890	-37480	-37480	-36940	-37420	.17720	.34610
.947	6.365	-33300	-33100	-33320	-33490	-40010	-40010	-40510	-42280	.12180	.39710
.947	GRADIENT	-.00402	-.00367	-.00354	-.00408	-.00423	-.00423	-.00252	-.00213	-.02380	.02443

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OAI45 TABULATED FORCE DATA

PAGE 1905

AMES 118-1-11 OAI45A 01

(E2F084) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 70.000 RUDDER = -5.000
 RN/L = 5.000

RUN NO. 740/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.201	-6.121	-32800	-32560	-32590	-32520	-33110	-33110	-32940	-33360	.54540	.26190
1.200	-1.949	-31770	-31680	-32010	-32090	-32060	-32060	-32380	-32700	.45400	.31510
1.200	-.897	-31900	-31850	-32030	-32160	-32200	-32200	-32500	-33110	.43140	.33780
1.198	.154	-31670	-31700	-31860	-31870	-31900	-31900	-32630	-32870	.40930	.36150
1.199	.628	-31560	-31800	-31610	-31670	-32220	-32220	-32760	-33120	.39930	.37260
1.200	1.159	-31280	-31350	-31110	-31070	-31990	-31990	-32150	-32500	.39000	.38760
1.199	2.208	-31470	-31180	-31170	-31110	-31640	-31640	-31920	-32440	.37090	.41350
1.199	3.257	-31080	-30940	-31440	-31010	-31810	-31810	-31900	-32170	.35030	.43850
1.199	4.304	-31410	-31290	-31550	-31620	-31430	-31430	-32090	-32510	.33200	.46550
1.199	6.372	-31120	-30980	-31150	-31110	-31680	-31680	-31800	-32290	.29870	.51810
1.197	GRADIENT	.00100	.00125	.00110	.00153	.00105	.00105	.00110	.00106	-.01942	.02424

RUN NO. 737/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.400	-6.137	-30900	-30700	-30770	-30770	-31410	-31410	-31510	-31590	.57430	.35200
1.406	-1.989	-31020	-30940	-31170	-31030	-31580	-31580	-31780	-31780	.49700	.42340
1.404	-.928	-31140	-31030	-31020	-31070	-31490	-31490	-31720	-31960	.48440	.43370
1.403	.138	-31040	-31200	-30980	-31040	-31410	-31410	-31600	-31760	.47620	.44620
1.403	.619	-31210	-30960	-30930	-31010	-31300	-31300	-31470	-31720	.47160	.44820
1.402	1.151	-30960	-31010	-30840	-30970	-31100	-31100	-31520	-31720	.46920	.45290
1.403	2.206	-30280	-30240	-30220	-30300	-30570	-30570	-30820	-31040	.46210	.46400
1.403	3.260	-30170	-30260	-30110	-30140	-30330	-30330	-30480	-30830	.44520	.48290
1.402	4.305	-30000	-30070	-30130	-30080	-30200	-30200	-30260	-30660	.41570	.50320
1.402	6.393	-29170	-29170	-29190	-29200	-29230	-29230	-29670	-29780	.34430	.54710
1.399	GRADIENT	.00203	.00177	.00197	.00200	.00252	.00252	.00259	.00219	-.01149	.01218

DA145 TABULATED FORCE DATA

DATE 10 MAR 80

(E2F085) (08 JUL 77)

AMES 118-1-11 DA145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
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 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPDBRK = 87.200 RUDDER = .000
 RN/L = 5.000

RUN NO. 450/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.597	-5.025	-29810	-29640	-29810	-29780	-27860	-27860	-28110	-28200	-04180	-03840
.598	-0.013	-28190	-28210	-28410	-28210	-25580	-25580	-25510	-25800	08040	06820
.597	2.523	-28040	-28460	-28060	-28190	-27210	-27210	-27380	-27820	12370	10070
.596	5.037	-37110	-26410	03420	03890	-28100	-28100	-28880	00000	15240	13000
.596	7.078	-28310	-28460	-27870	-28210	-29180	-29180	-29720	-32280	17140	14190
.597	8.133	-27930	-27950	-27360	-27760	-29580	-29580	-30320	-33440	17180	14760
.596	10.191	-27940	-27740	-27550	-28090	-29790	-29790	-31960	-35500	19050	15300
.596	12.250	-28260	-27500	-28750	-28560	-32510	-32510	-34360	-37660	18110	13820
.597	15.280	-29660	-29760	-29120	-29270	-34040	-34040	-35690	-37080	16600	12470
	GRADIENT	.00059	.00099	.00138	.00008	.00643	.00643	.00738	.00797	.01708	.01282

RUN NO. 460/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.803	-5.427	-30800	-30440	-30820	-31160	-29990	-29990	-29780	-30150	.01230	.01580
.802	-0.001	-28740	-29180	-29410	-29070	-28430	-28430	-28360	-28600	.01370	.11080
.802	2.583	-28760	-28610	-28700	-28680	-29010	-29010	-28690	-30180	.17030	.14350
.799	4.995	-28730	-28800	-28460	-29030	-29400	-29400	-29790	-31390	.21910	.16530
.798	7.020	-28590	-28590	-28900	-29170	-30060	-30060	-32630	-33890	.21910	.18690
.799	8.036	-29400	-28710	-29040	-29210	-31170	-31170	-32120	-34360	.22150	.18870
.801	9.951	-29240	-28320	-28970	-29430	-32220	-32220	-33800	-34600	.23940	.19590
.800	11.965	-29830	-29870	-30050	-29260	-35160	-35160	-35480	-36480	.23810	.19130
.797	14.829	-32320	-32070	-32510	-33570	-39850	-39850	-40980	-40790	.23370	.18050
	GRADIENT	.00002	.00078	.00191	.00010	.00195	.00195	.00284	.00559	.01343	.01093

RUN NO. 462/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.903	-5.893	-32800	-32940	-33140	-33190	-32950	-32950	-33810	-33890	.07450	.07540
.902	-5.051	-33020	-32920	-32610	-32900	-33100	-33100	-32390	-32830	.08770	.08550
.903	-0.819	-30800	-30370	-30820	-30370	-31050	-31050	-31100	-31490	.17190	.15090
.902	4.437	-30620	-30860	-30560	-30350	-31490	-31490	-31460	-31760	.18930	.16450
.903	2.032	-30540	-30160	-30230	-29830	-31740	-31740	-32930	-33100	.21360	.18590
.901	4.550	-30240	-30490	-29850	-29920	-34470	-34470	-34900	-35710	.24080	.20640
.898	6.778	-30880	-30080	-30960	-30630	-35590	-35590	-35880	-36270	.26380	.21990
.901	8.231	-30880	-31040	-31770	-31290	-36260	-36260	-37020	-38150	.27390	.23420
.901	10.229	-31080	-31800	-31020	-32090	-37490	-37490	-38220	-38500	.28270	.23470
.902	12.171	-32390	-32760	-32320	-33010	-38350	-38350	-39510	-39900	.28870	.23920
.902	14.807	-35470	-35470	-35380	-35380	-42610	-42610	-43540	-44690	.28740	.23330
	GRADIENT	.00100	.00018	.00181	.00099	.00628	.00628	.00739	.00817	.01290	.01046

DATE 10 MAR 80

OA145 TABULATED FORCE DATA

PAGE 1907

(E2F085) (08 JUL 77)

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN.	XO
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN.	YO
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN.	ZO
SCALE	=	.0500						

BETA
AILRON
SPDBRK
RN/L

ELEVON	-	.000
BDFLAP	-	.000
RUDDER	-	.000

PARAMETRIC DATA

RUN NO.	473/ 0	RN/L =	5.00	GRADIENT INTERVAL =	-5.00/	5.00
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MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.952	-5.204	-35830	-35420	-35630	-35900	-41640	-41640	-41550	-42640	.13210	.13040
.952	-1.133	-34420	-34300	-34300	-34240	-38070	-38070	-38900	-40010	.21790	.19430
.951	2.324	-33370	-33080	-33370	-33320	-38670	-38670	-39230	-40000	.24800	.21760
.951	4.840	-32740	-32620	-32300	-32350	-37590	-37590	-38280	-38480	.27170	.23430
.950	6.837	-31340	-31540	-31420	-31300	-37220	-37220	-38110	-38410	.29880	.25150
.949	7.798	-31620	-31210	-31720	-31380	-37460	-37460	-37760	-38580	.29930	.25740
.951	9.875	-31470	-31370	-31920	-31380	-38690	-38690	-38620	-38770	.31300	.26380
.950	12.068	-32590	-32650	-33380	-33120	-40680	-40680	-40690	-41310	.31710	.26140
.950	15.131	-35880	-35630	-36020	-36660	-43480	-43480	-44860	-45180	.31610	.25810
.950	GRADIENT	.00337	.00325	.00402	.00412	.00098	.00098	.00126	.00309	.01081	.00804

RUN NO.	486/ 0	RN/L = 4.98	GRADIENT INTERVAL = -5.00/ 5.00
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MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.103	-5.182	-34100	-34140	-34250	-34080	-34230	-34290	-34340	-34960	29220	29470
1.103	-1.165	-33170	-33090	-33360	-33090	-33230	-33230	-33490	-34200	35480	32870
1.104	2.139	-33720	-33580	-33530	-33660	-33930	-33930	-34460	-35060	37600	34380
1.103	2.417	-33670	-34060	-33640	-33690	-33740	-33740	-34290	-35570	37970	34790
1.102	5.122	-32440	-28260	-03080	-05750	-36380	-36380	-36670	00000	40000	36010
1.105	7.184	-35610	-36080	-35870	-35980	-36250	-36250	-36370	-36670	41570	36650
1.105	8.157	-36240	-35900	-36100	-36620	-36680	-36680	-36990	-37020	41630	37020
1.101	10.153	-37940	-37530	-37380	-37610	-38070	-38070	-38540	-39150	42330	37770
1.102	12.177	-37770	-37760	-38020	-37900	-39410	-39410	-40140	-40170	42650	37190
1.101	15.161	-38940	-38960	-39280	-39440	-41120	-41120	-41200	-42110	41630	35960
GRADIENT	-00211	-00095	-00313	-00095	-00238	-00239	-00239	-00353	-00470	00947	00709

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RUN NO.      489/ 0      RN/L = 4.95      GRADIENT INTERVAL = -5.00/ 5.00

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MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.199	-5.188	-29010	-29050	-29050	-29080	-28730	-28730	-28860	-29310	.3330	.34370
1.202	-1.52	-29900	-29900	-29830	-29840	-29180	-29180	-29340	-30330	.38640	.35590
1.199	2.417	-31270	-31330	-31290	-31020	-31550	-31780	-31780	-32280	.40180	.35450
1.198	4.998	-33070	-33180	-33040	-33000	-33250	-33250	-33510	-33640	.41510	.36090
1.200	7.061	-33750	-33430	-33590	-33700	-33450	-33450	-33650	-33730	.43250	.36650
1.198	8.095	-34330	-34690	-34560	-34400	-34610	-34610	-34680	-34870	.43000	.36530
1.196	10.130	-34490	-34330	-34830	-34770	-34720	-34720	-34990	-35380	.43700	.36810
1.199	12.156	-34800	-34270	-34300	-34430	-34470	-34470	-35240	-35350	.44320	.37070
1.198	15.171	-34330	-34460	-34560	-34280	-34550	-34550	-35100	-35060	.44360	.36640
	GRADIENT	-00616	-00637	-00623	-00614	-00790	-00790	-00810	-00643	.00557	.00097

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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(E2F085) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LRLF = 474.8100 INCHES YMRP = .0000 IN. YO
 BRFL = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

BETA =
 AILRON =
 SPDBRK =
 RN/L =

ELEVON = .000
 BDFLAP = .000
 RUDDER = .000

PARAMETRIC DATA

RUN NO. 500/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CR225	CR228	CR231	CR234	CP237	CP240	CP243	CP246	CP12	CP13
1.403	-5.076	-.26660	-.26790	-.26760	-.26840	-.27470	-.27470	-.27710	-.28000	.39750	.42940
1.404	-.035	-.28890	-.28850	-.28910	-.28990	-.29070	-.29070	-.29070	-.29530	.44420	.43910
1.403	2.494	-.30570	-.30390	-.30400	-.30570	-.30700	-.30700	-.30810	-.31110	.46020	.44680
1.401	5.092	-.31810	-.32050	-.31890	-.32050	-.32130	-.32130	-.32220	-.32520	.48150	.44610
1.400	7.150	-.33350	-.33320	-.33290	-.33320	-.33020	-.33020	-.33270	-.33410	.49230	.45190
1.400	8.189	-.33270	-.33470	-.33360	-.33450	-.33230	-.33230	-.33240	-.33500	.49880	.45650
1.401	10.210	-.33540	-.33730	-.33650	-.33830	-.33130	-.33130	-.33230	-.33480	.49680	.45920
1.401	12.263	-.34050	-.34230	-.34180	-.34190	-.33120	-.33120	-.33260	-.33510	.50070	.45220
1.400	15.283	-.34090	-.34200	-.34270	-.34090	-.32470	-.32470	-.32560	-.32710	.50630	.45650
1.394	GRADIENT	-.00664	-.00609	-.00589	-.00625	-.00645	-.00645	-.00688	-.00625	.00633	.00305

AMES 118-1-11 OAI45A 01

(E2F086) (06 MAR 80)

REFERENCE DATA

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 BRFL = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

BETA =
 AILRON =
 SPDBRK =
 RN/L =

ELEVON = .000
 BDFLAP = .000
 RUDDER = .000

PARAMETRIC DATA

RUN NO. 880/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CR240	CP12	CP13
.596	-5.107	-.26440	-.06630	-.00690
.591	-.336	-.24450	.04100	.10500
.598	2.187	-.25840	.08110	.14610
.597	4.747	-.26290	.10590	.18060
.597	7.835	-.27760	.12580	.19940
.597	9.802	-.27880	.13740	.20720
.596	11.941	-.29690	.13030	.20320
.597	14.920	-.33260	.11180	.19140
.597	16.887	-.35920	.08240	.17510
.597	18.940	-.39010	.05340	.15080
	GRADIENT	-.00362	.01276	.01487

OAI45 TABULATED FORCE DATA

(E2F086) (06 MAR 80)

DATE 10 MAR 80

AMES 118-1-11 OAI45A 01

REFERENCE DATA

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LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

BETA = 2.000 ELEVON = .000
AILRON = .000 BOFLAP = .000
SPOBRK = 87.200 RUDDER = .000
RN/L = 5.000

PARAMETRIC DATA

RUN NO. 875/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
1.198	-5.071	-.26600	.30220	.37230
1.198	-.056	-.27380	.34760	.39550
1.198	2.484	-.29310	.36230	.40360
1.199	5.027	-.31700	.37860	.41020
1.199	8.028	-.34140	.38410	.41710
1.197	10.036	-.34790	.38950	.42330
1.197	12.014	-.36310	.39150	.42060
1.197	14.974	-.34060	.39160	.42480
1.197	16.927	-.35450	.38560	.42440
1.197	19.007	-.35750	.38300	.42180
	GRADIENT	-.00760	.00579	.00319

RUN NO. 875/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
1.298	-5.014	-.26250	.34570	.40490
1.296	-.008	-.28000	.37240	.42000
1.297	2.520	-.29930	.39240	.42170
1.296	5.036	-.32700	.41290	.42050
1.295	8.107	-.34430	.41270	.42410
1.295	10.075	-.34940	.41890	.42530
1.294	12.064	-.34740	.42200	.42850
1.292	15.030	-.35320	.42540	.43440
1.290	16.880	-.34790	.42160	.43610
1.289	18.699	-.34280	.41760	.43590
	GRADIENT	-.00764	.00791	.00067

RUN NO. 874/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
1.403	-5.265	-.25100	.35960	.45890
1.404	-.038	-.27490	.40820	.46300
1.403	2.501	-.29220	.42880	.46520
1.401	5.076	-.31090	.46600	.46220
1.401	8.063	-.32450	.46230	.46550
1.400	10.019	-.32710	.47220	.47410
1.399	11.990	-.32920	.47610	.47710
1.397	14.986	-.32870	.48010	.47240
1.391	16.845	-.32700	.47550	.47760
1.388	18.766	-.32390	.46020	.48050
	GRADIENT	-.00681	.00811	.00087

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(E2F087) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
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XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
 AILRON = .000 BDELAP = .000
 SPOBRK = 87.200 RUDDER = .000
 RN/L = 5.000

RUN NO. 457/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.598	-6.191	-.26490	.20400	-.06090
.598	-2.105	-.26150	.12370	.02160
.598	-1.061	-.25780	.10320	.04600
.598	.011	-.25940	.08050	.06470
.598	.529	-.25820	.06950	.07650
.598	1.051	-.25520	.06190	.08990
.598	2.108	-.25990	.03990	.10690
.598	3.146	-.25640	.01920	.13090
.598	4.180	-.25680	.00280	.14830
.598	6.237	-.25830	-.03690	.19310
.597	8.287	-.25780	-.08080	.23340
	GRADIENT	.00055	-.01942	.02016

RUN NO. 458/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.804	-6.237	-.28980	.25900	-.02260
.805	-2.127	-.28380	.17920	.06770
.804	-1.072	-.28770	.15470	.08700
.804	.004	-.28430	.13120	.11120
.805	.532	-.28370	.12100	.12450
.804	1.055	-.28750	.11040	.13400
.803	2.122	-.29010	.08780	.15560
	GRADIENT	-.00102	-.02139	.02106

RUN NO. 468/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.902	-6.265	-.30960	.31100	.02830
.903	-2.133	-.30460	.22630	.11530
.901	-1.075	-.31210	.20070	.13290
.901	.009	-.31480	.17900	.15610
.903	.532	-.31560	.17020	.16840
.901	1.057	-.31740	.15800	.17930
.901	2.124	-.32220	.13660	.20240
.902	3.175	-.31490	.11670	.23020
.901	4.220	-.32870	.09610	.25000
.899	6.300	-.34260	.05830	.29590
.898	8.369	-.38400	.01070	.33460
	GRADIENT	-.00286	-.02026	.02175

OAI45 TABULATED FORCE DATA

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REFERENCE DATA

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LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 5.000

RUN NO. 479/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.951	-6.264	-.33970	.35190	.06570
.954	-2.133	-.34870	.26490	.15300
.952	-1.072	-.36120	.23970	.17230
.951	.013	-.37680	.21850	.19280
.953	.537	-.38110	.20890	.20720
.951	1.064	-.38710	.19900	.21730
.951	2.133	-.39400	.17560	.23910
.952	3.186	-.39930	.15530	.26340
.950	4.230	-.39970	.13590	.28370
.949	6.314	-.41290	.09660	.32910
.947	8.381	-.42700	.05700	.37080
	GRADIENT	-.00823	-.02014	.02086

RUN NO. 506/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.198	-6.271	-.32290	.50090	.26090
1.202	-2.126	-.29450	.42300	.31510
1.199	-1.071	-.28720	.40220	.33170
1.199	.013	-.29080	.38270	.35160
1.200	.536	-.29110	.37490	.36260
1.199	1.063	-.29110	.36570	.37310
1.199	2.131	-.28840	.34660	.39450
1.198	3.186	-.29550	.32750	.41290
1.199	4.234	-.29540	.31340	.43370
1.196	6.322	-.29400	.28810	.47900
1.197	8.400	-.27170	.25770	.52840
	GRADIENT	-.00057	-.01731	.01889

REFERENCE DATA

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LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 5.000

RUN NO.		0/ 0	RN/L = 5.00	GRADIENT INTERVAL = -5.00/ 5.00
MACH	BETA	CP225	CP228	CP231
.804	-6.237	-.29740	-.29820	-.29990
.805	-2.127	-.29010	-.28970	-.28910
.804	-1.072	-.29430	-.29470	-.29410
.804	.004	-.30090	-.30070	-.29820
.805	.532	-.29280	-.29380	-.29620
.804	1.055	-.29660	-.29640	-.29430
.803	2.122	-.29660	-.29870	-.29840
GRADIENT		-.00130	-.00173	-.00002
				-.00133
				-.00102
				-.00102
				-.28750
				-.28370
				-.28600
				-.28500
				-.28140
				-.28640
				-.00069
				-.02139
				-.15560
				-.13400
				-.11040
				-.12100
				-.13120
				-.14700
				-.15470
				-.17920
				-.25900
				-.29040
				-.02260
				CP13

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REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 5.000

RUN NO.		447/ 0	RN/L = 5.01	GRADIENT INTERVAL = -5.00/ 5.00
MACH	BETA	CP225	CP228	CP231
.598	-6.052	-.26910	-.27590	-.27590
.598	-1.926	-.27530	-.27290	-.27930
.598	-.885	-.28170	-.27510	-.28050
.598	.027	-.28290	-.27930	-.28120
.598	.495	-.27910	-.28200	-.28360
.598	1.011	-.28150	-.28020	-.27890
.597	2.076	-.28240	-.28210	-.28490
.598	3.119	-.27940	-.27940	-.28430
.597	4.152	-.28740	-.28300	-.28720
.597	6.214	-.29350	-.28930	-.28860
GRADIENT		-.00114	-.00139	-.00121
				-.00121
				-.00137
				-.00124
				-.28980
				-.28360
				-.28180
				-.27490
				-.28170
				-.28240
				-.28490
				-.28430
				-.28720
				-.29520
				-.29860
				-.30900
				-.30710
				-.30490
				-.08000
				-.23030
				-.28270
				-.02428
				-.01660
				CP12
				CP246
				-.30310
				-.29890
				-.30130
				-.30570
				-.30080
				-.29970
				-.30800
				-.10480
				-.08000
				-.20820
				-.05800
				-.30900
				-.00090
				-.02428
				CP13

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REFERENCE DATA

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LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

ALPHA =
AILRON =
SPDRBK =
RN/L =

5.000 ELEVON = .000
.000 BDFLAP = .000
87.200 RUDDER = .000
5.000

PARAMETRIC DATA

RUN NO. 459/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.803	-6.122	-27870	-28520	-28350	-28430	-28220	-28220	-29140	-30580	-35200	-01820
.802	-2.034	-28020	-27880	-28360	-27920	-28840	-28840	-29360	-30770	-25190	-11340
.802	-.987	-28260	-28340	-28380	-27830	-28650	-28650	-28900	-30750	-22620	-14190
.803	.049	-28360	-28490	-28380	-28090	-28510	-28510	-29160	-31230	-19960	-16880
.802	.534	-28410	-28580	-29100	-28090	-29140	-29140	-29410	-31230	-18790	-17760
.802	1.075	-29040	-28890	-28470	-28660	-29550	-29550	-29600	-31220	-17100	-19110
.801	2.123	-28900	-28740	-28880	-28930	-29120	-29120	-29620	-31510	-14740	-22020
.802	3.156	-28620	-28240	-28450	-28920	-29110	-29110	-29700	-31220	-12680	-25000
.802	4.195	-28970	-29410	-28720	-29240	-29920	-29920	-30260	-31440	-09940	-27220
.801	6.276	-29730	-30560	-30130	-30840	-29940	-29940	-30880	-32760	-04770	-33030
.801	8.328	-30940	-30290	-30520	-30360	-30040	-30040	-31180	-32780	-00000	-38170
GRADIENT		-00143	-00158	-00050	-00238	-00162	-00162	-00164	-00090	-02439	-02565

RUN NO. 463/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.902	-6.116	-30080	-30000	-29970	-30220	-33130	-33130	-33010	-34090	-39200	-05350
.902	-1.966	-29770	-30190	-30070	-29960	-35040	-35040	-35610	-36070	-29590	-15750
.901	-.921	-30400	-30100	-29600	-30070	-34690	-34690	-35870	-36390	-26730	-18550
.902	.126	-29910	-30690	-29940	-29520	-34920	-34920	-35280	-36600	-24430	-21210
.901	.649	-30540	-30160	-29840	-30400	-35140	-35140	-36140	-36430	-23250	-22430
.902	1.152	-29700	-30260	-30060	-30270	-34750	-34750	-35300	-35260	-22090	-23960
.901	2.202	-30640	-30860	-30640	-30160	-34390	-34390	-35040	-35360	-19440	-26580
.901	3.251	-31520	-30790	-31230	-30930	-35010	-35010	-35050	-35440	-17090	-29310
.900	4.294	-31880	-31260	-32200	-32270	-34820	-34820	-35920	-35440	-14550	-31800
.899	6.376	-32840	-32800	-34370	-33040	-36400	-36400	-36780	-38900	-09410	-37270
.899	8.440	-34650	-33790	-33950	-34810	-37960	-37960	-37520	-38900	-04130	-42390
GRADIENT		-00317	-00168	-00362	-00317	-00024	-00024	-00042	-00180	-02377	-02572

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(E2F088) (08 JUL 77)

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 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

ALPHA = 5.000 ELEVON = .000
 AILIRON = .000 BDFLAP = .000
 SPDBRK = 87.200 RUDDER = .000
 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 474/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.952	-6.098	-31890	-32160	-31850	-31850	-35940	-35940	-35960	-36840	42160	08540
.953	-1.971	-31190	-30830	-31200	-30920	-36630	-36630	-37430	-38080	32700	18990
.951	-.924	-31270	-31810	-31570	-31890	-37090	-37090	-37950	-38430	30170	21560
.950	.138	-32290	-32110	-32020	-32360	-37350	-37350	-38750	-39230	27520	24210
.952	.644	-31600	-31690	-31890	-32000	-37090	-37090	-38520	-38720	26560	25670
.951	1.157	-31610	-31780	-31980	-31410	-36840	-36840	-37590	-36970	25420	26890
.951	2.211	-32220	-32120	-32030	-32380	-37170	-37170	-37660	-38620	22800	29560
.950	3.255	-32870	-33140	-33290	-32950	-37800	-37800	-38470	-39000	20120	32200
.949	4.297	-33720	-33770	-34460	-33020	-38980	-38980	-39500	-39340	17700	34590
.948	6.373	-36160	-35770	-35710	-35960	-40150	-40150	-41000	-41710	12840	40150
	GRADIENT	-00173	-00398	-00456	-00289	-00286	-00286	-00205	-00144	-02390	02510

RUN NO. 487/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.103	-6.118	-37380	-37410	-37300	-37310	-37940	-37940	-38330	-39010	53990	22020
1.102	-1.959	-35280	-35150	-35000	-35350	-36630	-36630	-37120	-37590	44430	30860
1.103	-.901	-34730	-34690	-34920	-34760	-36640	-36640	-36770	-37500	42220	33280
1.102	.080	-35070	-34710	-34740	-35050	-36320	-36320	-36790	-37080	39840	35780
1.102	.559	-34730	-34770	-34910	-34740	-35820	-35820	-36490	-36700	39080	37170
1.101	1.053	-34960	-35100	-34940	-34940	-35720	-35720	-36040	-36500	37590	38360
1.103	2.108	-34700	-34630	-34520	-34930	-35240	-35240	-35790	-35820	35650	41040
1.101	3.146	-35360	-35170	-35180	-35210	-35550	-35550	-35840	-36770	33370	43580
1.102	4.191	-36160	-36320	-36370	-36390	-36380	-36380	-37050	-37370	31460	46060
1.101	6.289	-36880	-37450	-37430	-37660	-37250	-37250	-37800	-38340	27400	51780
	GRADIENT	-00131	-00159	-00158	-00151	-00133	-00133	-00105	-00111	-02129	02499

RUN NO. 488/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.202	-6.099	-34120	-34160	-34210	-34190	-33670	-33670	-33880	-33930	55210	26490
1.200	-1.952	-32710	-32680	-32730	-32450	-32560	-32560	-32530	-32980	46000	31640
1.199	-.900	-32990	-33120	-32830	-32900	-32540	-32540	-33410	-33670	43810	34010
1.199	.171	-33260	-33390	-33140	-32890	-33070	-33070	-33390	-34030	41700	36460
1.201	.625	-32800	-32930	-32880	-32780	-33240	-33240	-33440	-33800	40700	37720
1.200	1.140	-32460	-32440	-32700	-32560	-32730	-32730	-33230	-33350	39710	39040
1.199	2.189	-32480	-32560	-32810	-32940	-33030	-33030	-33220	-33730	37750	41400
1.198	3.237	-33390	-33320	-33540	-33450	-33380	-33380	-33950	-34040	35540	44250
1.199	4.282	-33700	-33790	-33940	-33940	-33830	-33830	-33960	-34560	33670	46520
1.197	6.350	-35020	-35170	-35210	-34770	-34180	-34180	-35230	-35170	30670	52530
	GRADIENT	-00107	-00103	-00156	-00197	-00184	-00184	-00178	-00178	-01981	02419

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(E2F088) (08 JUL 77)

REFERENCE DATA

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LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. X0
YMRP = .0000 IN. Y0
ZMRP = 375.0000 IN. Z0

ALPHA = .000
AILRON = .000
SPDBRK = .000
RN/L = .000

PARAMETRIC DATA

5.000 ELEVON = .000
.000 BDFLAP = .000
87.200 RUDDER = .000
5.000

RUN NO. 504/ 0 RN/L = 4.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.402	-6.132	-31150	-31000	-31020	-30990	-31200	-31200	-31290	-31500	.58130	.35460
1.406	-1.977	-31310	-31410	-31290	-31350	-31520	-31520	-31780	-31780	.50440	.42690
1.404	.926	-31620	-31680	-31810	-31760	-31870	-31870	-32010	-32220	.49130	.43660
1.404	.150	-31620	-31780	-31750	-31710	-31900	-31900	-31950	-32180	.48450	.44790
1.403	.628	-31790	-31800	-31720	-31800	-31800	-31800	-32010	-32180	.48190	.45070
1.403	1.154	-31760	-31850	-31740	-31710	-31670	-31670	-31910	-32110	.47870	.45500
1.403	2.213	-31310	-31410	-31510	-31340	-31330	-31330	-31560	-31690	.45750	.46590
1.403	3.269	-31120	-31360	-31170	-31380	-31140	-31140	-31430	-31550	.43350	.48410
1.402	4.318	-31020	-31120	-31380	-31210	-30830	-30830	-31250	-31430	.41300	.50690
1.402	6.404	-30030	-30150	-30110	-30130	-29700	-29700	-29800	-29860	.34370	.55160
	GRADIENT	.00080	.00068	.00045	.00057	.00144	.00144	.00111	.00102	-.01433	.01209

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. X0
YMRP = .0000 IN. Y0
ZMRP = 375.0000 IN. Z0

ALPHA = .000
AILRON = .000
SPDBRK = .000
RN/L = .000

PARAMETRIC DATA

10.000 ELEVON = .000
.000 BDFLAP = .000
87.200 RUDDER = .000
5.000

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RUN NO. 455/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.598	-6.037	-.30020	.35840	-.02670
.598	-1.985	-.29270	.24530	.09400
.597	-.968	-.30170	.21390	.11940
.598	.060	-.30300	.18610	.15100
.598	.556	-.30330	.17080	.16560
.598	1.057	-.30340	.15840	.18130
.597	2.088	-.30260	.12730	.21110
.598	3.113	-.30140	.10240	.24330
.598	4.154	-.30550	.07910	.27020
.598	6.220	-.29820	.01740	.33630
.598	8.285	-.30640	-.04110	.39650
	GRADIENT	-.00127	-.02724	.02925

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(E2F089) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
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 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPDBRK = 87.200 RUDDER = .000
 RN/L = 5.000

RUN NO. 469/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.902	-6.127	-.35470	.45520	.04650
.903	-2.025	-.36370	.34170	.17450
.901	-.995	-.36230	.31440	.20830
.901	.049	-.36530	.28480	.23750
.903	.550	-.36530	.27240	.25520
.901	1.059	-.36830	.25570	.26900
.901	2.107	-.38460	.22100	.29430
.902	3.150	-.37860	.19800	.32810
.899	4.208	-.38870	.16560	.35590
.900	6.298	-.38910	.11470	.41950
.902	8.379	-.39970	.05320	.48210
	GRADIENT	-.00445	-.02844	.02888

RUN NO. 480/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.950	-6.126	-.37160	.47900	.07450
.953	-2.032	-.37600	.36730	.20420
.950	-.997	-.38290	.33880	.23260
.952	.049	-.38340	.31180	.26640
.952	.554	-.37860	.29770	.28220
.951	1.064	-.38940	.28310	.29380
.951	2.134	-.38670	.25390	.32480
.950	3.159	-.38750	.23030	.35390
.950	4.219	-.38820	.20250	.38390
.948	6.308	-.40030	.14110	.43960
.950	8.385	-.40800	.09350	.50310
	GRADIENT	-.00176	-.02639	.02877

DATE 10 MAR 80
OAI45 TABULATED FORCE DATA
AMES 118-1-11 OAI45A 01

(E2F089) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA =
AILRON =
SPDBRK =
RN/L =
10.000
.000
87.200
5.000
ELEVON =
BDFLAP =
RUDDER =
.000
.000
.000

RUN NO. 507/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.199	-6.133	.59540	.25920	.31630
1.203	-2.042	.33010	.48870	.34420
1.202	-1.005	.33370	.46420	.37110
1.199	.050	.33760	.43700	.38450
1.200	.554	.34130	.42510	.40040
1.200	1.069	.33740	.41380	.42620
1.198	2.125	.34630	.38810	.45940
1.199	3.174	.34110	.36760	.48670
1.196	4.234	.34370	.34760	.54700
1.197	6.328	.35000	.31550	.60930
1.198	8.407	.34950	.29360	.60930
	GRADIENT	-.00214	-.02270	.02725

RUN NO. 496/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
1.404	-6.177	.31280	.62130	.35600
1.409	-2.049	.32740	.52940	.43280
1.401	-1.013	.33140	.51140	.44560
1.400	.044	.33330	.49540	.45940
1.399	.554	.33370	.48820	.46300
1.399	1.070	.33240	.48460	.46650
1.400	2.131	.33520	.47150	.47360
1.399	3.184	.33070	.45540	.49180
1.400	4.248	.33100	.43490	.51100
1.400	6.355	.32040	.38480	.56170
1.400	8.446	.29700	.30360	.61800
	GRADIENT	-.00035	-.01424	.01161

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

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(E2F0C0) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDGRK = 87.200 RUDDER = .000
 RN/L = 5.000

RUN NO. 456/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.598	-6.082	-.32830	.36360	-.08680
.597	-1.993	-.34330	.22790	.05240
.598	-.957	-.34470	.19890	.08930
.597	.089	-.34340	.16730	.12610
.598	.595	-.34630	.14780	.14170
.598	1.106	-.34740	.12810	.15690
.597	2.130	-.35150	.09590	.18800
.598	3.165	-.33710	.06630	.23000
.597	4.209	-.32980	.02950	.26780
.599	6.271	-.33050	-.02840	.33140
.599	8.339	-.33350	-.08880	.40250
	GRADIENT	.00170	-.03226	.03425

RUN NO. 470/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.902	-6.180	-.40200	.47630	.02330
.901	-2.033	-.42890	.34390	.16060
.901	-.987	-.43580	.31540	.19470
.901	.067	-.43340	.28040	.23210
.902	.584	-.43650	.26720	.24860
.899	1.099	-.44440	.24850	.26230
.902	2.135	-.44970	.21600	.29730
.902	3.182	-.44770	.18980	.33310
.901	4.238	-.45390	.16010	.36680
.903	6.324	-.46300	.09730	.43220
.900	8.413	-.46330	.03050	.50070
	GRADIENT	-.00399	-.02969	.03285

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

(E2F0C0) (06 MAR 80)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 87.200 RUDDER = .000
RN/L = 5.000

RUN NO. 508/ 0		RN/L = 4.96		GRADIENT INTERVAL = -5.00/ 5.00	
MACH		BETA		CP12	
1.198	-6.183	CP240	CP13		
1.202	-2.053	-.32390	.61350		
1.200	-1.002	-.33150	.50470		
1.199	.061	-.33480	.47140		
1.199	.575	-.33750	.44160		
1.198	1.103	-.33950	.42740		
1.197	2.145	-.33920	.41310		
1.198	3.198	-.33780	.38730		
1.199	4.254	-.33880	.36970		
1.199	6.344	-.33830	.34630		
1.197	8.434	-.33140	.30910		
GRADIENT		-.34450	.28130		
		-.00093	-.02486		

RUN NO. 497/ 0		RN/L = 4.96		GRADIENT INTERVAL = -5.00/ 5.00	
MACH		BETA		CP12	
1.391	-6.238	CP240	CP13		
1.397	-2.069	-.30870	.64510		
1.399	-1.006	-.32320	.54950		
1.398	.059	-.32420	.52620		
1.396	.586	-.32340	.50510		
1.396	1.105	-.32470	.49540		
1.395	2.156	-.32400	.48460		
1.394	3.210	-.32190	.46420		
1.393	4.276	-.32200	.43320		
1.391	6.378	-.31780	.42330		
1.390	8.474	-.30550	.39820		
GRADIENT		-.29650	.29250		
		.00078	-.02050		

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OAI45 TABULATED FORCE DATA

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(E2F0C1) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = .000
ELEVON = .000
BOFLAP = .000
RN/L = 5.000
BETA = .000
AILRON = .000
SPDBRK = 87.200

RUN NO. 453/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
.598	-10.072	-.25710	.08280	.06840
.598	-5.111	-.26010	.08180	.06470
.599	-2.524	-.25760	.07840	.06650
.598	-.096	-.25930	.07870	.06430
.598	2.393	-.25660	.08020	.06590
.598	4.977	-.25870	.07990	.06370
.598	9.828	-.25440	.08190	.06550
	GRADIENT	-.00003	.00024	-.00027

RUN NO. 471/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
.902	-10.072	-.31870	.17670	.15630
.902	-5.126	-.31720	.17930	.15510
.902	-2.507	-.31080	.18040	.15780
.902	.103	-.31110	.18000	.15720
.902	2.401	-.30660	.18090	.15920
.901	4.977	-.30720	.17910	.15670
.902	9.828	-.30880	.17880	.15600
	GRADIENT	.00061	-.00012	-.00005

RUN NO. 482/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
.951	-10.054	-.38370	.21850	.19520
.952	-5.111	-.37710	.21890	.19610
.952	-2.532	-.37610	.21820	.19550
.952	-.110	-.37240	.21890	.19550
.951	2.410	-.37560	.21640	.19320
.952	4.959	-.36900	.21890	.19570
.952	9.828	-.36820	.21750	.19380
	GRADIENT	.00073	-.00002	-.00007

DATE 10 MAR 80.

OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(E2F0C1) (08 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPDBRK = 87.200
 RN/L = 5.000

RUN NO. 509/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
1.204	-10.063	-.28950	.38700	.35640
1.200	-5.111	-.29060	.38460	.35280
1.199	-2.524	-.29080	.38120	.35090
1.200	-.089	-.28710	.38410	.35290
1.199	2.410	-.29080	.38280	.35100
1.200	4.949	-.28780	.38480	.35370
1.199	9.804	-.29250	.38280	.35080
	GRADIENT	.00021	.00038	.00026

AMES 118-1-11 OAI45A 01

(E2F0C2) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPDBRK = 87.200
 RN/L = 5.000

RUN NO. 452/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP226	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.597	-10.045	-.28300	-.28320	-.28450	-.28130	-.28300	-.28300	-.29050	-.31050	.15150	.12880
.596	-5.141	-.28120	-.28290	-.28440	-.28050	-.28120	-.28120	-.28660	-.30590	.15530	.13070
.597	-2.499	-.28080	-.28280	-.27590	-.28180	-.27870	-.27870	-.20610	-.30800	.15420	.13300
.597	-.089	-.28260	-.28160	-.27990	-.28430	-.28130	-.28130	-.26840	-.30560	.15290	.12970
.598	2.410	-.28330	-.28280	-.27940	-.27890	-.28020	-.28020	-.28630	-.30570	.15360	.13160
.598	4.949	-.27640	-.28080	-.27680	-.27760	-.27900	-.27900	-.28870	-.30210	.15520	.13070
.598	9.804	-.27610	-.28000	-.27760	-.27340	-.27610	-.27610	-.28460	-.29750	.15520	.13230
	GRADIENT	.00051	.00019	-.00008	.00073	.00001	.00001	-.00023	.00071	.00015	-.00020

DATE 10 MAR 80

(E2F0C2) (08 JUL 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XHRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YHRP = .0000 IN. YO
BREF = 936.6800 INCHES ZHRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = 87.200
RN/L = 5.000

RUN NO. 464/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.901	-10.063	-30370	-30160	-30270	-30210	-35380	-35380	-36030	-36700	-24420	-21200
.902	-5.119	-29950	-30650	-29330	-29780	-34900	-34900	-35750	-36900	-24620	-21250
.902	-2.532	-30250	-29960	-29750	-29320	-34560	-34560	-35480	-36670	-24770	-21270
.902	.110	-30310	-30290	-30000	-30250	-34730	-34730	-35280	-36850	-24710	-21110
.902	2.419	-30270	-29730	-30160	-29790	-34780	-34780	-35520	-36800	-24550	-21110
.902	4.986	-29490	-29830	-29810	-30060	-34750	-34750	-35310	-35580	-24540	-21040
.903	9.812	-30010	-29460	-29880	-29100	-34190	-34190	-34980	-35640	-24780	-21280
	GRADIENT	.00093	.00038	.00013	.00069	.00024	.00024	.00011	.00016	.00034	.00027

RUN NO. 475/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.951	-10.045	-31870	-31820	-31930	-32250	-37500	-37500	-37750	-38940	-27480	-24470
.952	-5.111	-31490	-31780	-31810	-31910	-36820	-36820	-38130	-38980	-27680	-24700
.952	-2.516	-31310	-31510	-31380	-31210	-36980	-36980	-37950	-38920	-27930	-24630
.950	.110	-31680	-31830	-31630	-31910	-37580	-37580	-38130	-38900	-27500	-24220
.952	2.401	-31580	-31330	-31430	-31430	-36870	-36870	-38040	-38610	-27740	-24530
.952	4.986	-30870	-31790	-31100	-31490	-37060	-37060	-37460	-38380	-27670	-24390
.951	9.820	-31470	-31650	-31760	-31770	-37540	-37540	-38100	-38360	-27550	-24120
.952	GRADIENT	.00058	.00014	.00042	.00013	.00019	.00019	.00063	.00077	.00021	.00016

RUN NO. 490/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.201	-10.072	-32260	-32310	-32320	-32380	-33120	-33120	-32970	-33390	-41810	-36360
1.200	-5.104	-32510	-32710	-33230	-32440	-33020	-33020	-33060	-33650	-41740	-36350
1.200	-2.467	-33050	-33120	-32880	-32830	-33180	-33180	-33560	-33690	-41830	-36360
1.200	.069	-32730	-32670	-32680	-32670	-32600	-32600	-32720	-33740	-41840	-36430
1.199	2.410	-33200	-32810	-32580	-32340	-33340	-33340	-33340	-33430	-41750	-36180
1.200	4.931	-32730	-32690	-32560	-32720	-32980	-32980	-33250	-33320	-41860	-36450
1.201	9.804	-32070	-32200	-32050	-32340	-32440	-32440	-32790	-32890	-41720	-36390
	GRADIENT	.00020	.00045	.00043	.00006	.00006	.00006	.00012	.00058	.00000	.00001

0A145 TABULATED FORCE DATA

DATE 10 MAR 80

(E2F0C2) (08 JUL 77)

AMES 118-1-11 0A145A 01

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPDBRK = 87.200
 RN/L = 5.000

RUN NO. 505/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.402	-10.045	-31660	-31680	-31710	-31680	-31820	-31820	-32010	-32240	.48500	.44690
1.403	-5.134	-31970	-31970	-32060	-31990	-32040	-32040	-32170	-32390	.48510	.44830
1.403	-2.516	-31750	-31970	-31840	-31950	-31970	-31970	-32070	-32370	.48300	.44790
1.404	.089	-31800	-31800	-31650	-31560	-31950	-31950	-32020	-32280	.48330	.44610
1.403	2.367	-31640	-31660	-31760	-31730	-31880	-31880	-32000	-32270	.48450	.44810
1.403	4.977	-31680	-31860	-31730	-31730	-31860	-31860	-31940	-32090	.48200	.44630
1.404	9.828	-31560	-31610	-31630	-31470	-31750	-31750	-31890	-32150	.48270	.44670
	GRADIENT	.00015	.00018	.00009	.00019	.00016	.00016	.00016	.00034	-.00008	-.00011

(E2F0C3) (06 MAR 80)

AMES 118-1-11 0A145A 01

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

ALPHA = 10.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BDFLAP = .000 SPDBRK = 87.200
 RN/L = 5.000

RUN NO. 454/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
.597	-10.089	-.29740	.18440	.15170
.597	-5.126	-.30510	.18050	.14810
.598	-2.516	-.29860	.18660	.15200
.597	.116	-.30010	.18840	.15190
.597	2.401	-.29750	.18760	.15400
.598	4.977	-.23500	.18870	.15480
.598	9.844	-.29890	.18570	.14870
	GRADIENT	.00054	.00022	.00042

OAI45 TABULATED FORCE DATA

(E2F0C3) (05 MAR 80)

DATE 10 MAR 80

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 10.000 BETA = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELEVON = .000 AILRON = .000
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO BOFLAP = .000 SPDBRK = 87.200
SCALE = .0500 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 472/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH		RUDDER		CP240	CP12	CP13
.900	-10.063	-10.063	-37410	.28020	.23410	.23700
.901	-5.119	-5.119	-36890	.28510	.23700	.23610
.902	-2.507	-2.507	-37250	.28210	.23890	.23890
.902	-1.110	-1.110	-36500	.28540	.23960	.23960
.903	2.384	2.384	-36120	.28620	.23510	.23830
.903	4.959	4.959	-37130	.28150	.23830	.23830
.902	9.796	9.796	-36340	.28500	.23830	.23830
	GRADIENT	GRADIENT	.00027	-.00005	-.00010	-.00010

RUN NO. 481/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH		RUDDER		CP240	CP12	CP13
.952	-10.063	-10.063	-38730	.31030	.26570	.26330
.951	-5.119	-5.119	-38720	.30900	.26330	.26430
.951	-2.524	-2.524	-38670	.31030	.26900	.26900
.953	-1.116	-1.116	-37620	.31380	.26470	.26510
.951	2.410	2.410	-38530	.30980	.26510	.26950
.951	4.977	4.977	-38060	.31070	.26950	.26950
.952	9.804	9.804	-37160	.31320	.26950	.26950
	GRADIENT	GRADIENT	.00036	-.00012	-.00008	-.00008

RUN NO. 510/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH		RUDDER		CP240	CP12	CP13
1.200	-10.063	-10.063	-34040	.43790	.36880	.36960
1.200	-5.126	-5.126	-33910	.43690	.36960	.36880
1.199	-2.524	-2.524	-34140	.43760	.36970	.36970
1.200	-1.103	-1.103	-34170	.43790	.36970	.36970
1.200	2.376	2.376	-34340	.43860	.37000	.37000
1.200	4.959	4.959	-34130	.43850	.37100	.37100
1.200	9.804	9.804	-33820	.43860	.37100	.37100
	GRADIENT	GRADIENT	-.00005	.00014	.00014	.00014

DATE 10 MAR 80

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(EEF0C5) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPDBRK = 87.200 RUDDER = -5.000
 RN/L = 5.000

RUN NO. 465/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.902	-5.257	-32920	-32870	-32430	-32530	-32730	-32730	-33120	-33080	.08580	.08440
.903	.060	-30820	-30750	-30200	-30500	-30760	-30760	-30390	-31220	.18750	.16380
.904	2.478	-29150	-29720	-29350	-29770	-32030	-32030	-32850	-33450	.21700	.19170
.902	4.957	-29830	-30250	-30230	-30390	-35550	-35550	-36430	-36430	.24370	.20860
.902	6.976	-30940	-30060	-30160	-30870	-35330	-35330	-35830	-36460	.26810	.22480
.900	7.972	-30820	-31120	-31570	-31570	-36540	-36540	-37230	-37430	.27180	.23110
.901	9.977	-30780	-30640	-31100	-30800	-36850	-36850	-37800	-38150	.28420	.23750
.902	11.928	-33090	-32290	-32150	-31920	-39370	-39370	-39080	-39790	.28760	.23380
.901	14.820	-35410	-34960	-35230	-35750	-43760	-43760	-44450	-45130	.28220	.22590
	GRADIENT	.00260	.00101	.00008	.00021	.00980	.00980	.01234	.01065	.01147	.00914

RUN NO. 476/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.953	-5.097	-36060	-35890	-35930	-36250	-41240	-41240	-42010	-42560	.13470	.13280
.952	.466	-34190	-34170	-33670	-33800	-37760	-37760	-38010	-39220	.21390	.21910
.953	2.284	-33280	-32940	-32990	-33130	-38450	-38450	-39050	-39140	.24840	.21940
.951	4.929	-31770	-31420	-31860	-31640	-37120	-37120	-37320	-38490	.27480	.23700
.951	7.054	-31530	-31530	-31290	-31470	-36880	-36880	-37850	-38220	.29690	.25480
.950	8.061	-30830	-31330	-31130	-31490	-37780	-37780	-37780	-38610	.30070	.25840
.952	10.143	-31760	-31520	-31720	-31390	-38620	-38620	-39390	-39260	.31160	.26430
.952	12.048	-32920	-31920	-31710	-31970	-40290	-40290	-40260	-41390	.31600	.26490
.952	15.034	-34980	-34980	-34900	-35170	-43250	-43250	-43890	-44990	.31500	.25850
.951	GRADIENT	.00448	.00509	.00335	.00399	.00116	.00116	.00125	.00135	.01130	.00846

RUN NO. 491/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.200	-5.196	-28860	-28920	-28910	-28980	-28510	-28510	-28870	-29270	.33340	.34420
1.200	.168	-30190	-30270	-29970	-30200	-29150	-29150	-29600	-30240	.38540	.35590
1.200	2.410	-31520	-31250	-31420	-31260	-31480	-31480	-31790	-32530	.40130	.35500
1.196	4.992	-33180	-33110	-32890	-33100	-33220	-33220	-33550	-34010	.41530	.36020
1.198	7.057	-33510	-33580	-33500	-33550	-33480	-33480	-33580	-33560	.43160	.35470
1.199	8.094	-34070	-34130	-33850	-33750	-34050	-34050	-33580	-34370	.43090	.36600
1.202	10.129	-34420	-34500	-34610	-34630	-35000	-35000	-35500	-35430	.43900	.36980
1.202	12.152	-34710	-34820	-34870	-34530	-34860	-34860	-35220	-35710	.44520	.37040
1.199	15.184	-34500	-34430	-34030	-34360	-34740	-34740	-35220	-35650	.44290	.36460
	GRADIENT	.00579	.00550	.00566	.00562	.00789	.00789	.00765	.00731	.00579	.00083

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REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
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 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

BETA =
 AILRON =
 SPOBRK =
 RN/L =

ELEVON = .000
 BOFLAP = .000
 RUDDER = -5.000

GRADIENT INTERVAL = -5.00/ 5.00

RUN NO.

501/ 0

RN/L = 4.96

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.402	-5.088	-26700	-26660	-26640	-26640	-27380	-27380	-27710	-28140	.40030	.43190
1.401	-.032	-29150	-29230	-29280	-29250	-29290	-29290	-29670	-29710	.44490	.44600
1.400	2.494	-30680	-30840	-30810	-30790	-30900	-30900	-31050	-31350	.45880	.44600
1.400	5.077	-32260	-32180	-32170	-32070	-32190	-32190	-32400	-32670	.48060	.44580
1.403	7.183	-33050	-33260	-33220	-33250	-33000	-33000	-33080	-33340	.49350	.45320
1.402	8.181	-33310	-33230	-33230	-33360	-33180	-33180	-33300	-33490	.48940	.45620
1.400	10.236	-33490	-33680	-33630	-33740	-33120	-33120	-33330	-33520	.49540	.45920
1.397	12.227	-34100	-34250	-34140	-34230	-33280	-33280	-33230	-33570	.50040	.45100
1.394	15.280	-34130	-34260	-34020	-34180	-32330	-32330	-32460	-32720	.50790	.45120
	GRADIENT	-100606	-100637	-100606	-100610	-100637	-100637	-100546	-100649	.00550	.00237

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(E2F0C6) (08 JUL 77)

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 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

ALPHA =
 AILRON =
 SPOBRK =
 RN/L =

ELEVON = .000
 BOFLAP = .000
 RUDDER = -5.000

GRADIENT INTERVAL = -5.00/ 5.00

RUN NO.

448/ 0

RN/L = 4.99

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.598	-6.016	-27420	-27550	-27690	-27570	-28000	-28000	-28490	-30380	.29730	-.01550
.597	-1.917	-27970	-28020	-28000	-27600	-27950	-27950	-28700	-30180	.20320	.08310
.597	-.877	-27810	-28100	-27980	-27590	-28340	-28340	-28760	-30190	.17720	.10690
.597	.031	-28230	-28030	-28060	-27930	-27980	-27980	-28510	-30430	.15350	.13060
.597	.510	-28380	-28230	-27940	-27980	-28300	-28300	-28590	-30580	.14350	.13990
.597	1.020	-28170	-28040	-28510	-28460	-28490	-28490	-28930	-30760	.12840	.15350
.597	2.085	-27980	-27450	-27670	-27530	-28010	-28010	-28690	-30120	.10760	.18270
.597	3.128	-27800	-27970	-27900	-27820	-27980	-27980	-28660	-30990	.08200	.20810
.597	4.161	-27790	-27790	-27960	-28110	-28110	-28110	-28670	-30800	.05860	.23170
.597	6.218	-28020	-28270	-28460	-28150	-28420	-28420	-29270	-31240	.00420	.28430
	GRADIENT	-100032	-100059	-100023	-100054	-100011	-100011	-100002	-100108	-.02366	.02479

REFERENCE DATA

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LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

ALPHA =
ATLIRON =
SPDBRK =
RN/L =

PARAMETRIC DATA

ELEVON =
BDFLAP =
RUDDER =

RUN NO. 466/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.903	-6.109	-29760	-30010	-29930	-29880	-32480	-32480	-33420	-33950	.39690	.05690
.902	-1.952	-29960	-30230	-30160	-30110	-34950	-34950	-35850	-37440	.29820	.15910
.902	-.904	-29920	-29700	-30320	-29920	-35350	-35350	-35850	-36630	.26860	.18650
.903	.009	-29580	-30150	-29430	-29760	-35130	-35130	-36720	-36720	.24940	.21080
.901	.663	-30130	-30070	-30430	-30550	-34970	-34970	-35680	-36540	.23190	.22540
.902	1.171	-29850	-30300	-30780	-30060	-35620	-35620	-35510	-35550	.21970	.23720
.902	2.216	-30440	-30080	-30650	-31480	-34500	-34500	-35260	-36200	.19670	.26810
1.144	3.259	10570	10620	10720	10370	07200	07200	06950	06900	.50270	.60640
.904	4.304	-29490	-29490	-30820	-30970	-34160	-34160	-35020	-35670	.15160	.32620
.899	6.380	-32610	-32950	-32880	-33230	-36850	-36850	-38260	-36860	.09120	.37430
GRADIENT	.02678	.02904	.02764	.02678	.03081	.03081	.03081	.03134	.03249	-.00026	.04830

RUN NO. 477/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.953	-6.085	-31950	-31530	-31600	-31550	-35630	-35630	-36300	-37830	.42280	.08760
.953	-1.951	-30800	-30850	-30780	-30780	-36400	-36400	-37330	-38400	.32880	.19220
.950	-.906	-31470	-31840	-32110	-31760	-37310	-37310	-38240	-39100	.30020	.21450
.950	.151	-31850	-31950	-31730	-32100	-36870	-36870	-38560	-39680	.26470	.24430
.951	.662	-32010	-31610	-32040	-32280	-37510	-37510	-38260	-38410	.25580	.25650
.952	1.179	-32430	-32060	-31980	-31940	-36250	-36250	-37020	-38010	.25800	.27240
.951	2.226	-32230	-32780	-32800	-32450	-36790	-36790	-37430	-38540	.22970	.29780
.951	3.264	-32920	-33230	-32930	-32760	-37390	-37390	-37910	-38360	.20340	.32340
.949	4.304	-34340	-33610	-33980	-33290	-38650	-38650	-38990	-39360	.17840	.34690
.950	6.372	-34940	-35260	-35260	-34440	-40260	-40260	-40560	-42000	.12800	.40050
GRADIENT	.00477	.00415	.00423	.00334	.00226	.00226	.00226	.00104	.00009	-.02368	.02521

RUN NO. 492/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.200	-6.075	-34210	-34210	-34130	-34010	-33880	-33880	-34080	-33960	.54770	.26260
1.199	-1.943	-32840	-32830	-32680	-32900	-32530	-32530	-32830	-33060	.46040	.31670
1.199	-.902	-32740	-32710	-32810	-32670	-32630	-32630	-33140	-33010	.43810	.33980
1.198	.154	-32850	-32830	-32790	-32600	-33200	-33200	-33440	-33570	.41630	.36210
1.198	.631	-32750	-32910	-32830	-32710	-33090	-33090	-33600	-33880	.40450	.37500
1.198	1.151	-32920	-33000	-33020	-32730	-32960	-32960	-33640	-33960	.39540	.38820
1.198	2.198	-33130	-33300	-33180	-33130	-33100	-33100	-33570	-33830	.37740	.41610
1.198	3.245	-33700	-33570	-33760	-33470	-33470	-33470	-33960	-34380	.35490	.44300
1.200	4.283	-33520	-33780	-33650	-33520	-33600	-33600	-34160	-34380	.33970	.46890
1.198	6.355	-33890	-34410	-33940	-34200	-33390	-33390	-33830	-34280	.30590	.52440
GRADIENT	.00150	.00176	.00182	.00157	.00164	.00164	.00164	.00196	.00202	-.01950	.02475

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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(E2F0C6) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPOBRK = 87.200 RUDDER = -5.000
 RN/L = 5.000

RUN NO. 502/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.403	-6.247	-31230	-31280	-31100	-31240	-31360	-31360	-31540	-31600	.58540	.35360
1.405	-2.086	-31510	-31530	-31490	-31580	-31710	-31710	-31780	-32020	.50580	.42380
1.404	-1.035	-31730	-31780	-31670	-31800	-31910	-31910	-31950	-32250	.49240	.43350
1.403	.016	-31660	-31630	-31640	-31610	-31680	-31680	-31810	-32140	.47340	.44720
1.403	.652	-31460	-31670	-31530	-31610	-31630	-31630	-31820	-32030	.47380	.45260
1.403	1.215	-31590	-31770	-31820	-31850	-31780	-31780	-31900	-32170	.47660	.45430
1.403	2.212	-31360	-31360	-31440	-31460	-31360	-31360	-31550	-31880	.45760	.46590
1.403	3.275	-31350	-31340	-31440	-31340	-31220	-31220	-31540	-31740	.43270	.48420
1.401	4.322	-31190	-31000	-31110	-31040	-30940	-30940	-31160	-31480	.41220	.50510
1.401	6.409	-30090	-30130	-30240	-30340	-29740	-29740	-29760	-30040	.34630	.55200
GRADIENT		.00066	.00092	.00056	.00089	.00133	.00133	.00099	.00096	-.01383	.01210

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(E2F0C7) (08 JUL 77)

REFERENCE DATA

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 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPOBRK = 87.200 RUDDER = -10.000
 RN/L = 5.000

RUN NO. 449/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.403	-6.017	-27430	-27530	-27340	-27410	-28100	-28100	-28370	-30000	.30040	.01710
1.405	-1.911	-27670	-27620	-27570	-27590	-28210	-28210	-28090	-30360	.20330	.08140
1.404	-.872	-27510	-27930	-28200	-28050	-28110	-28110	-28720	-30270	.17550	.10760
1.403	.035	-27760	-27780	-28000	-28000	-27860	-27860	-28690	-30560	.15410	.13210
1.403	.508	-27360	-27930	-28100	-28100	-28380	-28380	-28750	-30180	.14310	.14100
1.403	1.029	-27370	-27490	-27690	-27200	-27770	-27770	-28790	-30250	.13230	.15680
1.403	2.093	-27410	-27360	-27110	-26970	-27920	-27920	-28330	-29910	.10630	.18180
1.403	3.134	-27450	-27450	-27180	-27380	-28230	-28230	-28450	-30640	.07830	.20580
1.403	4.166	-28070	-27660	-28200	-27950	-28130	-28130	-28670	-30300	.05650	.23040
1.401	6.222	-28120	-28740	-28320	-28810	-28560	-28560	-29000	-30780	.00100	.28440
GRADIENT		.00020	.00049	.00039	.00052	.00003	.00003	-.00025	.00030	-.02411	.02450

DATE 10 MAR 60

OAI145 TABULATED FORCE DATA

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(E2F0C7) (08 JUL 77)

REFERENCE DATA

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 SCALE = .0500

PARAMETRIC DATA

ALPHA = .000
 AILRON = .000
 SPDRK = .000
 RN/L = .000
 ELEVON = .000
 BDFLAP = .000
 RUDDER = -10.000
 5.000
 87.200
 5.000

RUN NO. 467/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00									
MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246
.905	-6.104	-29740	-29790	-30230	-29680	-33170	-33170	-33310	-34070
.902	-1.945	-29780	-29640	-29690	-30070	-34970	-34970	-35690	-36400
.902	-.903	-29880	-30010	-29920	-29730	-35550	-35550	-36010	-37230
.902	.143	-30070	-30660	-30370	-30160	-35010	-35010	-35760	-36380
.901	.679	-30410	-30380	-30820	-30610	-35300	-35300	-36610	-36430
.901	1.181	-30490	-30150	-30170	-30310	-35140	-35140	-35530	-36150
.902	2.226	-30820	-30700	-30410	-30060	-34210	-34210	-35290	-35750
.901	3.266	-31570	-31070	-31280	-31460	-35450	-35450	-35790	-36270
.900	4.307	-32260	-33270	-31920	-32750	-36010	-36010	-36750	-37190
.998	6.384	-32620	-34920	-33800	-34660	-37660	-37660	-37990	-37210
GRADIENT		-.00398	-.00450	-.00317	-.00388	-.00070	-.00070	-.00066	-.00005
RUN NO. 493/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00									
MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246
1.198	-6.064	-34410	-34200	-34200	-34230	-34000	-34000	-33990	-33970
1.199	-1.936	-32640	-32600	-32670	-32860	-32630	-32630	-32750	-33210
1.200	-.895	-32290	-32810	-32610	-32660	-32810	-32810	-33070	-32970
1.197	.163	-32530	-32970	-32760	-32660	-33100	-33100	-33320	-33520
1.201	.638	-32530	-32390	-32230	-32130	-32850	-32850	-33240	-33420
1.199	1.156	-32800	-32830	-33110	-32890	-33120	-33120	-33150	-33780
1.200	2.206	-33130	-33130	-33200	-33330	-33400	-33400	-33420	-33740
1.199	3.252	-33610	-34000	-33840	-33760	-33640	-33640	-34210	-34000
1.200	4.288	-33950	-34010	-33750	-33910	-34000	-34000	-34390	-34310
1.197	6.359	-34460	-34060	-33750	-34190	-34040	-34040	-34070	-34360
GRADIENT		-.00252	-.00244	-.00220	-.00222	-.00214	-.00214	-.00254	-.00194
RUN NO. 503/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00									
MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246
1.402	-6.127	-31280	-31270	-31210	-31180	-31440	-31440	-31490	-31690
1.404	-1.969	-31470	-31630	-31560	-31450	-31860	-31860	-31950	-32130
1.404	-.917	-31670	-31690	-31430	-31590	-31770	-31770	-31900	-32070
1.405	.162	-31480	-31400	-31490	-31500	-31650	-31650	-31740	-31980
1.403	.647	-31550	-31590	-31680	-31660	-31600	-31600	-31750	-32120
1.402	1.166	-31340	-31590	-31420	-31480	-31450	-31450	-31580	-31860
1.401	2.224	-31390	-31400	-31310	-31390	-31400	-31400	-31400	-31830
1.401	3.276	-31130	-31360	-31110	-31160	-31140	-31140	-31210	-31460
1.402	4.321	-30910	-31360	-31020	-30980	-30860	-30860	-31190	-31370
1.401	6.412	-30130	-30230	-30110	-30030	-29740	-29740	-29800	-30260
GRADIENT		.00100	.00101	.00088	.00085	.00155	.00155	.00138	.00128

0A145 TABULATED FORCE DATA

DATE 10 MAR 80

(E2F0C8) (06 MAR 80)

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 AILRON = .000 BOFLAP = -11.700
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 792/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP240	CP12	CP13
.598	-9.951	-.23590	.15060	.13310
.598	-7.948	-.23740	.14690	.12920
.599	-5.953	-.23730	.14860	.13020
.598	-3.940	-.24300	.14960	.12920
.598	-2.937	-.24210	.14830	.13140
.598	-1.950	-.24400	.14870	.13150
.598	-.949	-.23970	.14900	.13420
.598	.015	-.24400	.14740	.13220
.598	1.012	-.24660	.15060	.13130
.598	2.007	-.25110	.14910	.13250
.598	3.011	-.26340	.14970	.12990
.598	4.008	-.27020	.14990	.13150
.598	6.004	-.28950	.15270	.13340
.597	8.023	-.32210	.14650	.12950
.597	10.015	-.34900	.15280	.13110
	GRADIENT	-.00326	.00013	.00006

RUN NO. 808/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP240	CP12	CP13
.901	-9.953	-.29400	.24470	.21620
.900	-7.946	-.31740	.24130	.21090
.900	-5.942	-.31660	.24170	.21300
.899	-3.939	-.33130	.24100	.21040
.901	-2.943	-.33210	.24080	.21390
.899	-1.940	-.33900	.24050	.21030
.901	-.946	-.33510	.24170	.21140
.901	.019	-.32440	.24060	.21560
.901	1.012	-.33250	.24380	.21300
.900	2.009	-.32820	.24040	.21220
.900	3.023	-.32170	.24350	.21460
.900	4.018	-.32920	.23990	.20980
.899	6.018	-.33380	.24230	.20970
.897	7.971	-.34830	.23830	.20700
.899	10.005	-.35110	.24500	.21250
	GRADIENT	.00107	.00009	.00008

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01

(E2F0C9) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 AILRON = .000 BDFLAP = 16.300
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 795/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP240	CP12	CP13
.598	-9.943	-26720	.14870	.13090
.598	-7.948	-25420	.14900	.13130
.598	-5.945	-25630	.14510	.12710
.599	-3.938	-24760	.15090	.13000
.598	-2.945	-24410	.14870	.13010
.598	-1.953	-23840	.14680	.13170
.598	-.944	-23670	.15090	.13200
.599	.035	-23440	.15120	.13290
.601	1.010	-23270	.15480	.13240
.599	2.012	-24020	.15300	.12970
.598	3.016	-24290	.14970	.13200
.598	4.013	-25100	.15050	.13300
.598	6.016	-26770	.15120	.13400
.598	8.002	-30100	.15250	.12830
.598	10.014	-32640	.14900	.13180
.598	GRADIENT	-.00016	.00030	.00024

RUN NO. 811/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP240	CP12	CP13
.902	-9.949	-28990	.23240	.20470
.900	-7.938	-31580	.23980	.21070
.900	-5.937	-31880	.24040	.21090
.900	-3.937	-32040	.24350	.21270
.899	-2.943	-32130	.23990	.21000
.901	-1.937	-31200	.24060	.21390
.900	-.936	-31940	.24090	.21020
.899	.016	-31780	.24110	.20930
.900	1.015	-31710	.23860	.20940
.900	2.023	-30390	.23940	.21200
.899	3.026	-31120	.24240	.21200
.900	4.013	-32080	.24210	.21200
.896	6.009	-33790	.23920	.20960
.899	8.009	-34390	.24350	.21330
.899	10.007	-35260	.24090	.21070
.899	GRADIENT	.00079	-.00005	-.00002

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

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(E2F0D0) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = .000 BETA = .000
AILRON = .000 BOFLAP = -11.700
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.00

RUN NO. 793/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP240	CP12	CP13
.599	-9.943	-.22720	.07840	.06950
.599	-7.950	-.22500	.08010	.06700
.599	-5.940	-.22220	.07840	.06570
.599	-3.931	-.22050	.07730	.06610
.599	-2.947	-.22540	.07410	.06290
.599	-1.943	-.23300	.07680	.06610
.599	-.938	-.22480	.07590	.06640
.599	.017	-.22260	.07820	.06840
.599	1.009	-.23000	.07850	.06630
.598	2.012	-.23280	.07590	.06820
.598	3.021	-.24320	.07790	.06580
.599	4.001	-.24690	.07810	.06690
.599	6.009	-.26670	.07790	.06460
.599	8.018	-.28700	.07790	.06690
.599	10.015	-.31960	.07760	.06490
	GRADIENT	-.00309	.00026	.00027

RUN NO. 809/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP240	CP12	CP13
.902	-9.941	-.23130	.18000	.16170
.902	-7.951	-.23620	.18130	.16490
.902	-5.945	-.25060	.18060	.16160
.901	-3.935	-.26590	.17950	.16070
.901	-2.940	-.27450	.17950	.16070
.901	-1.948	-.28030	.18170	.16330
.901	-.938	-.28450	.18150	.16340
.902	.019	-.30330	.18130	.16360
.901	1.014	-.31570	.18150	.16250
.901	2.007	-.32330	.17760	.16080
.901	3.016	-.32200	.17890	.16100
.901	4.016	-.31420	.17970	.16260
.900	6.004	-.31850	.17930	.15970
.901	8.016	-.31560	.17960	.16210
.901	10.005	-.32770	.18000	.16230
	GRADIENT	-.00760	-.00015	.00004

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

AMES 118-1-11 OAI45A 01

(E2F0D1) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = .000
ATLRON = .000
SPOBRK = 25.000
RUDDER = 5.000
BETA = .000
BOFLAP = 16.300
RUDDER = .000

RUN NO. 796/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP240	CP12	CP13
.599	-9.949	-.25910	.07530	.06410
.599	-7.963	-.24290	.07590	.06680
.599	-5.945	-.22990	.07760	.06880
.600	-3.941	-.22550	.07690	.06540
.599	-2.945	-.22160	.07440	.06560
.599	-1.945	-.21880	.07680	.06560
.599	-.949	-.21540	.07800	.06620
.598	.014	-.21240	.07690	.06800
.599	1.009	-.21670	.07640	.06490
.598	2.012	-.21970	.07500	.06430
.598	3.013	-.21930	.07720	.06860
.598	4.009	-.23390	.07830	.06480
.599	6.016	-.24730	.07780	.06840
.598	8.013	-.27470	.07540	.06590
.598	10.013	-.30310	.07860	.06590
	GRADIENT	-.00050	.00015	.00005

RUN NO. 812/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP240	CP12	CP13
.896	-9.958	-.25010	.17450	.15990
.902	-7.953	-.24850	.18050	.16350
.902	-5.937	-.25410	.18160	.16340
.901	-3.935	-.26200	.18020	.16140
.900	-2.930	-.26130	.17770	.16130
.901	-1.943	-.27110	.17650	.15920
.901	-.936	-.27090	.17690	.15990
.900	.017	-.29270	.17730	.15830
.900	1.009	-.28370	.17920	.15890
.899	2.017	-.28340	.17630	.15940
.900	3.018	-.28640	.17590	.15840
.900	4.009	-.29050	.17710	.15860
.899	6.014	-.30460	.17960	.16030
.899	8.013	-.31470	.17590	.15700
.900	10.023	-.31430	.17890	.16040
	GRADIENT	-.00381	-.00027	-.00034

AMES 118-1-11 OAI45A 01

(E2F0D2) (05 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 10.000 BETA = .000
AILRON = .000 BOFLAP = -11.700
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 794/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP240	CP12	CP13
.598	-9.948	-.26340	.17960	.15060
.598	-7.956	-.26460	.17820	.15020
.598	-5.940	-.27240	.17770	.14630
.598	-3.936	-.26700	.18150	.15020
.598	-2.910	-.26490	.17870	.14970
.598	-1.942	-.25780	.18360	.15340
.598	-.936	-.26300	.18670	.15060
.598	.018	-.25900	.18130	.15430
.598	1.014	-.26770	.18020	.14940
.599	2.015	-.26790	.18320	.15220
.598	3.006	-.27960	.17950	.14870
.598	4.011	-.28273	.18260	.15240
.598	6.011	-.30600	.17930	.14910
.598	8.014	-.32880	.18350	.15270
.598	10.013	-.37210	.18080	.15000
	GRADIENT	-.00222	-.00001	.00004

RUN NO. 810/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP240	CP12	CP13
.902	-9.941	-.33790	.27890	.24000
.899	-7.952	-.35860	.27330	.23410
.900	-5.932	-.35000	.27730	.23850
.900	-3.937	-.35960	.27690	.23700
.899	-2.945	-.35990	.27520	.23680
.900	-1.940	-.35650	.27720	.23860
.900	-.939	-.36430	.27570	.23500
.899	.012	-.35510	.27930	.23830
.900	1.007	-.35860	.27630	.23550
.900	2.015	-.35390	.27650	.23720
.899	3.016	-.36860	.27290	.22970
.900	4.006	-.35530	.27780	.23830
.898	6.012	-.35830	.27310	.23570
.900	8.023	-.35480	.27580	.24020
.898	10.014	-.36500	.27500	.23540
	GRADIENT	.00003	-.00007	-.00031

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

AMES 118-1-11 OAI45A 01

(E2F003) (05 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = .000
AILRON = .000
SPDBRK = 25.000
RUDDER = 5.000
BETA = .000
BDFLAP = 16.300
RN/L = .000

RUN NO. 797/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP240	CP12	CP13
.600	-9.951	-28820	.18360	.15150
.600	-7.943	-28450	.18020	.15140
.599	-5.940	-28770	.17690	.14590
.599	-3.946	-27240	.17960	.14920
.599	-2.943	-27260	.17720	.14710
.599	-1.940	-26570	.18090	.14750
.600	-.944	-25770	.18350	.15230
.599	.026	-26070	.18820	.15140
.600	1.015	-26190	.18300	.15090
.600	2.020	-26570	.18420	.15150
.599	3.016	-28040	.18220	.14740
.600	4.011	-27560	.18410	.15810
.600	6.014	-30190	.17950	.15090
.599	8.009	-32560	.18460	.15180
.599	10.012	-36650	.18280	.14860
.599	GRADIENT	-.00064	.00066	.00072

RUN NO. 813/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP240	CP12	CP13
.899	-9.941	-35940	.27430	.23620
.899	-7.953	-36710	.27240	.23260
.900	-5.933	-36130	.27200	.23250
.898	-3.943	-35730	.27160	.23370
.898	-2.940	-36160	.27030	.23200
.900	-1.942	-35170	.27640	.23730
.900	-.938	-34960	.27350	.23720
.900	.019	-35170	.27410	.23690
.901	1.014	-34720	.27510	.23770
.899	2.017	-35320	.27190	.23590
.900	3.013	-35360	.27440	.23830
.900	4.011	-35330	.27440	.24260
.899	6.012	-36700	.27420	.23740
.899	8.020	-36450	.27530	.23890
.900	10.020	-36270	.27580	.23760
.899	GRADIENT	-.00066	.00027	.00088

REFERENCE DATA

SREF = 2690.0000 SQ.FT.

LREF = 474.8100 INCHES

BREF = 936.6800 INCHES

SCALE = .0500

XMRP = 1076.6800 IN. XO

YMRP = .0000 IN. YO

ZMRP = 375.0000 IN. ZO

2690.0000

474.8100

936.6800

.0500

1076.6800

.0000

375.0000

0.000

0.000

25.000

5.000

5.000

-11.700

.000

PARAMETRIC DATA

BETA =

ALTRON =

SPOBRK =

RN/L =

.000

.000

25.000

5.000

5.000

-11.700

.000

RUN NO.	786/ 0	MACH	ALPHA	CP240	CP12	CP13	GRADIENT INTERVAL	RN/L	5.00/ 5.00
		.596	-5.027	-25150	-.04630	-.04060			
		.597	-.057	-.25300	.07500	.06700			
		.596	2.482	-.26410	.12150	.10410			
		.597	5.001	-.28830	.14490	.12460			
		.597	6.048	-.28210	.16070	.14190			
		.597	7.097	-.29100	.16490	.14610			
		.597	8.151	-.29460	.17410	.14990			
		.597	9.122	-.29130	.17770	.15350			
		.597	10.125	-.29000	.18110	.15280			
		.596	11.157	-.30490	.18220	.14810			
		.597	12.149	-.32160	.17880	.14710			
		.597	13.156	-.34200	.17680	.14280			
		.595	15.186	-.36620	.16100	.12200			
			GRADIENT	-.00437	.01831	.01461			

RUN NO.	807/ 0	MACH	ALPHA	CP240	CP12	CP13	GRADIENT INTERVAL	RN/L	5.00/ 5.00
		.902	-5.053	-.33610	.08750	.08980			
		.902	-.034	-.31420	.18060	.16230			
		.904	2.486	-.33520	.21340	.18960			
		.902	5.054	-.33040	.24100	.21140			
		.900	6.087	-.33050	.25350	.21810			
		.902	7.092	-.33280	.26430	.22880			
		.900	8.129	-.35160	.26670	.23930			
		.900	9.149	-.35820	.26940	.23320			
		.899	10.167	-.35760	.27710	.23600			
		.901	11.186	-.36190	.27680	.23770			
		.902	12.197	-.37820	.28110	.23720			
		.900	13.205	-.39690	.27770	.23230			
		.903	15.221	-.42220	.27860	.23350			
			GRADIENT	-.00833	.01301	.01083			

DATE 10 MAR 80

OAI145 TABULATED FORCE DATA

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(E2F005) (05 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = 5.000
AILRON = .000 BDFLAP = 16.300
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 798/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.600	-5.035	-.23040	-.04320	-.03820
.600	-.041	-.23490	.08080	.06900
.598	2.488	-.25040	.12030	.10190
.597	4.997	-.26820	.14990	.13300
.599	6.052	-.27590	.16300	.13850
.598	7.084	-.27950	.17000	.14810
.599	8.113	-.28740	.17360	.15000
.598	9.124	-.29350	.17710	.14900
.599	10.122	-.29420	.18160	.15000
.599	11.157	-.30650	.18230	.14630
.599	12.174	-.33210	.17760	.14310
.599	13.177	-.34600	.17400	.14180
.598	15.178	-.36050	.16350	.12770
	GRADIENT	-.00661	.01372	.01270

RUN NO. 816/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.899	-5.065	-.31670	.08130	.08500
.899	-.034	-.28750	.17770	.16040
.899	2.521	-.31710	.20790	.18590
.900	5.065	-.32870	.23860	.20800
.898	6.084	-.32790	.25210	.21660
.903	7.108	-.33810	.26240	.22800
.898	8.141	-.35910	.26030	.22520
.901	9.165	-.35830	.26780	.23560
.898	10.163	-.35960	.27270	.23530
.896	11.187	-.36590	.27550	.23380
.895	12.199	-.37770	.27530	.23390
.900	13.208	-.39370	.27780	.23340
.899	15.224	-.43620	.26950	.22570
	GRADIENT	-.01159	.01182	.00998

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

AMES 118-1-11 0A145A 01

(E2F007) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

BETA = .000 ELEVON = -5.000
AILRON = .000 BOFLAP = 16.300
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 799/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.600	-5.058	-.24870	-.04690	-.04020
.602	-.056	-.22750	.08080	.06820
.598	2.453	-.23380	.12060	.10370
.598	4.959	-.25180	.14850	.12960
.599	5.990	-.25840	.15670	.13660
.599	7.022	-.26240	.16880	.14430
.600	8.032	-.26260	.17300	.15000
.600	9.073	-.26710	.18110	.15430
.599	10.110	-.27500	.18270	.15210
.599	11.124	-.28620	.176 0	.14870
.599	12.139	-.29660	.17970	.14370
.598	13.145	-.30930	.17830	.14460
.598	15.159	-.33300	.16690	.12900
	GRADIENT	-.00485	.01350	.01224

RUN NO. 817/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.899	-5.110	-.27950	.08040	.08450
.900	-.086	-.25640	.17560	.15960
.899	2.453	-.28690	.20790	.18470
.897	5.014	-.33920	.22860	.19990
.897	6.059	-.32320	.24780	.21720
.898	7.086	-.34550	.25580	.21860
.897	8.115	-.34910	.26080	.22780
.898	9.134	-.36570	.26600	.22940
.898	10.144	-.36230	.27100	.23120
.901	11.178	-.36910	.27380	.23270
.897	12.180	-.38330	.27500	.23350
.896	13.188	-.41070	.27400	.22750
.900	15.212	-.44650	.27130	.22730
	GRADIENT	-.01201	.01272	.00988

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

PAGE 1943

AMES 118-1-11 OAI45A 01

(E2F008) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.8800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = 5.000 AILRON = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 790/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BOFLAP	CP240	CP12	CP13
.597	-11.642	-27720	.15340	.13350
.598	-7.950	-26870	.15360	.13490
.597	-5.938	-27330	.15050	.12970
.598	-3.961	-26890	.14930	.13090
.597	-1.940	-26590	.15050	.13140
.597	.010	-26560	.15110	.13140
.597	2.008	-26280	.15240	.13400
.597	4.007	-26900	.14810	.12850
.597	6.010	-26330	.15060	.13430
.597	8.030	-26350	.15390	.13460
.597	12.020	-26870	.15200	.13230
.597	16.308	-27110	.15230	.13200
.597	22.528	-28840	.14990	.13170
.597	GRADIENT	.00015	-.00003	-.00011

RUN NO. 804/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BOFLAP	CP240	CP12	CP13
.903	-11.642	-31740	.24540	.22020
.902	-7.940	-32160	.24310	.21330
.901	-5.927	-32250	.24130	.21170
.902	-3.950	-31890	.24370	.21180
.902	-1.931	-30540	.24360	.21730
.902	.029	-31300	.24390	.21300
.901	2.017	-31410	.24320	.21160
.902	4.007	-31340	.24250	.21280
.902	6.000	-30860	.24230	.21500
.901	8.030	-31550	.24070	.21140
.901	12.009	-31360	.24150	.21200
.901	16.308	-33110	.24150	.20990
.899	22.537	-33650	.24100	.21060
.899	GRADIENT	.00012	-.00014	-.00018

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

AMES 118-1-11 0A145A 01

(E2F0D9) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 50.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = -5.000 AILRON = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 791/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BOFLAP	CP240	CP12	CP13
.599	-11.642	-.23590	.15120	.13380
.598	-7.940	-.23240	.15150	.13280
.598	-5.938	-.23290	.15000	.13040
.598	-3.903	-.23100	.14990	.13150
.598	-1.871	-.22910	.15020	.13150
.598	.029	-.22930	.14650	.13050
.598	2.027	-.22880	.15020	.13090
.598	3.996	-.23170	.14990	.13000
.598	6.000	-.22880	.15060	.13170
.598	8.020	-.22910	.14900	.13090
.598	11.999	-.23710	.14960	.12970
.598	16.328	-.24770	.15150	.13340
.598	22.547	-.27010	.14790	.13050
	GRADIENT	-.00005	.00000	-.00018

RUN NO. 805/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BOFLAP	CP240	CP12	CP13
.902	-11.631	-.33020	.24250	.21390
.902	-7.940	-.32230	.24220	.21180
.902	-5.948	-.32370	.24140	.21140
.901	-3.940	-.32250	.24100	.21110
.902	-1.940	-.30430	.24240	.21750
.902	.010	-.31080	.24300	.21340
.901	1.998	-.32000	.23930	.21010
.902	3.996	-.31740	.24140	.21150
.901	6.010	-.32190	.23850	.20910
.901	8.000	-.31710	.24200	.21140
.901	12.009	-.31970	.24160	.21170
.900	16.308	-.33340	.23890	.20830
.899	22.528	-.33810	.24000	.21030
	GRADIENT	-.00027	-.00012	-.00033

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

AMES 118-1-11 OAI45A 01

(E2F0E0) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.8800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

RUN NO. 788/ 0 RN/L = 4.98

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = -11.700 SPDBRK = 25.000
RN/L = 5.000

GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
.598	-14.976	-25070	.15000	.13520
.597	-10.736	-25180	.14880	.12920
.597	-4.939	-24420	.14780	.13180
.597	-2.442	-24690	.14910	.12830
.598	.089	-24310	.14850	.13160
.598	2.522	-23980	.15310	.13390
.598	5.005	-24450	.14830	.13100
.597	10.011	-24450	.15060	.13280
.598	15.031	-25020	.14960	.13030
.597	18.134	-25450	.15330	.12860
.597	22.649	-25430	.15140	.13120
	GRADIENT	.00069	.00063	.00039

RUN NO. 803/ 0 RN/L = 5.00

GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
.902	-14.976	-35080	.24150	.21200
.902	-10.745	-34640	.23970	.21090
.902	-4.939	-33350	.24350	.21490
.902	-2.442	-34100	.24250	.21050
.902	.096	-33600	.24270	.21250
.902	2.505	-34080	.24120	.21100
.902	5.014	-33820	.24280	.21190
.902	10.003	-34470	.24050	.21050
.902	15.005	-34250	.24080	.21130
.901	18.125	-34330	.24030	.21050
.902	22.602	-33380	.24350	.21390
	GRADIENT	-.00070	-.00027	-.00040

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
BOFLAP = 16.300 SPDBRK = 25.000
RN/L = 5.000

RUN NO. 800/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
.600	-14.970	-.24150	.14960	.12980
.600	-10.754	-.23370	.15110	.13190
.600	-4.939	-.22770	.15210	.13600
.600	-2.442	-.23600	.14860	.13090
.600	-1.110	-.24090	.14840	.12780
.600	2.513	-.23780	.15180	.13060
.600	5.014	-.23120	.15150	.13540
.600	10.011	-.23730	.15170	.13050
.600	15.022	-.23710	.15210	.13060
.600	18.116	-.23640	.15260	.13290
.600	22.639	-.23710	.15300	.13390
	GRADIENT	-.00141	-.00004	-.00077

RUN NO. 814/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP240	CP12	CP13
.900	-14.960	-.32350	.23990	.21220
.900	-10.727	-.31570	.24070	.21230
.900	-4.961	-.32630	.23740	.20770
.901	-2.434	-.32300	.24080	.21030
.900	-1.116	-.32030	.23920	.21040
.900	2.513	-.32440	.23860	.20890
.900	5.005	-.32240	.23780	.20920
.900	10.003	-.31810	.24070	.21010
.901	15.005	-.31690	.24220	.21290
.901	18.125	-.32300	.24000	.21100
.901	22.564	-.32120	.24220	.21190
	GRADIENT	.00033	.00008	.00015

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OF POOR QUALITY

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

PAGE 1947

(E2F0E2) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = -11.700
SPDBRK = 25.000 RUDDER = -5.000
RN/L = 5.000

RUN NO. 789/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.597	-6.052	-.23780	.29460	-.01360
.597	-1.918	-.24400	.19870	.08200
.597	-.870	-.24400	.17300	.10710
.597	.034	-.24800	.14570	.12820
.597	.648	-.24280	.13700	.14710
.597	1.155	-.24720	.12300	.15600
.597	2.192	-.25280	.09470	.17830
.597	3.223	-.24670	.07490	.20650
.597	4.257	-.24380	.05120	.23250
.596	6.318	-.24660	.00270	.27950
.596	8.361	-.25260	-.05470	.32670
	GRADIENT	-.00038	-.02390	.02421

RUN NO. 802/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.901	-6.123	-.31610	.38630	.05660
.902	-1.948	-.32760	.29160	.16240
.901	-.899	-.33480	.26590	.18700
.900	.160	-.34590	.23810	.21120
.901	.671	-.34210	.22690	.22410
.900	1.182	-.33890	.21700	.23850
.900	2.226	-.34950	.18700	.26170
.900	3.269	-.34630	.16670	.29190
.899	4.312	-.36050	.13880	.31360
.896	6.387	-.36700	.08740	.36660
.896	8.449	-.36830	.04570	.41910
	GRADIENT	-.00428	-.02425	.02448

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

PAGE 1948

AMES 118-1-11 OAI45A 01

(EEF0E3) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BDFLAP = 16.300
 SPDBRK = 25.000 RUDDER = -5.000
 RN/L = 5.000

RUN NO. 801/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.601	-6.038	-.23390	.29480	-.01610
.601	-1.924	-.23090	.20190	.08470
.600	-.888	-.23170	.17450	.10940
.600	.033	-.23120	.15370	.13130
.600	.672	-.23450	.13770	.14680
.600	1.156	-.23400	.12400	.16140
.600	2.190	-.23560	.10430	.18410
.599	3.221	-.24110	.07260	.20710
.599	4.257	-.23870	.05010	.23230
.599	6.316	-.24040	.00680	.28210
.598	8.363	-.24680	-.04670	.32900
.598	9.966	-.23850	-.07600	.37190
.600	GRADIENT	-.00161	-.02451	.02390

RUN NO. 815/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.899	-6.107	-.31010	.38630	.05810
.900	-1.944	-.31820	.29250	.16000
.899	-.901	-.31920	.26240	.18400
.900	.122	-.31760	.23720	.21180
.899	.699	-.31590	.22650	.22700
.899	1.181	-.31660	.21500	.23850
.899	2.217	-.32560	.18820	.26230
.898	3.259	-.32500	.16210	.29140
.898	4.299	-.32860	.14020	.31640
.898	6.371	-.33710	.09440	.36900
.894	8.429	-.34930	.04220	.41900
.895	10.480	-.35620	-.00640	.46880
.895	GRADIENT	-.00181	-.02425	.02519

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

PAGE 1949
(E2F0E4) (05 MAR 80)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
SPDBRK = .000 RUDDER = .000
RN/L = 5.000

RUN NO. 656/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CP240	CP12	CP13
.598	-11.653	-.23870	.15430	.13070
.598	-7.940	-.24030	.15230	.12760
.598	-5.927	-.23370	.15330	.13060
.598	-3.950	-.23340	.15150	.12850
.599	-1.950	-.22810	.15510	.13130
.598	.010	-.22910	.15360	.13000
.598	1.998	-.22670	.15620	.13060
.598	3.996	-.22230	.15430	.13420
.598	6.020	-.22760	.15270	.13060
.598	8.010	-.23120	.15120	.12820
.598	11.999	-.23100	.15590	.13000
.598	16.308	-.23240	.15390	.13270
.598	22.547	-.24630	.15800	.13210
	GRADIENT	.00119	.00034	.00054

RUN NO. 643/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CP240	CP12	CP13
.900	-11.653	-.34210	.24500	.21050
.900	-7.960	-.34240	.24190	.20830
.900	-5.948	-.33760	.24360	.20870
.901	-3.950	-.33740	.24370	.20760
.901	-1.940	-.32890	.24500	.21070
.900	.019	-.32610	.24710	.21000
.901	1.998	-.32050	.24450	.21220
.900	3.996	-.32680	.24320	.20820
.901	6.000	-.31970	.24650	.21050
.900	8.020	-.31700	.24600	.20980
.900	12.009	-.31930	.24590	.20970
.899	16.308	-.30860	.24580	.21270
.900	22.528	-.33390	.24260	.20550
	GRADIENT	.00145	-.00008	.00014

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

AMES 118-1-11 OAI45A 01

(E2F0E5) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 SPOBRK = 55.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 597/ 0 RN/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CP240	CP12	CP13
.396	-11.653	-.25510	.14540	.12530
.396	-7.940	-.25340	.13500	.11410
.396	-5.948	-.24550	.13460	.11580
.395	-3.866	-.24150	.13400	.11680
.395	-1.940	-.24220	.13380	.11440
.394	.019	-.24500	.13010	.11250
.396	2.008	-.24860	.13160	.11110
.397	3.975	-.24200	.13520	.11700
.397	6.010	-.24580	.13290	.11510
.397	8.010	-.24440	.13370	.11590
.397	11.999	-.24370	.13370	.11590
.398	16.318	-.24670	.13690	.11700
.397	22.547	-.26400	.13630	.11630
	GRADIENT	-.00038	.00001	-.00015

RUN NO. 555/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CP240	CP12	CP13
.597	-11.653	-.27570	.15680	.12890
.597	-7.950	-.26280	.15550	.13090
.598	-5.938	-.25060	.15670	.13680
.598	-3.950	-.24740	.15660	.13580
.598	-1.940	-.24530	.15510	.13590
.597	.029	-.24540	.15710	.13550
.597	1.998	-.24390	.15730	.13320
.597	3.996	-.25170	.15350	.13090
.597	6.010	-.24470	.15820	.13680
.597	8.010	-.24410	.15870	.13620
.597	12.009	-.25020	.15770	.13420
.597	16.318	-.25670	.15600	.13280
.597	22.528	-.27610	.15870	.13220
	GRADIENT	-.00061	-.00020	-.00063

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA
AMES 118-1-11 OAI45A 01

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(E2F0E5) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 BETA = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELEVON = .000 AILRON = .000
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO SPDBRK = 55.000 RUDDER = .000
SCALE = .0500 RN/L = 5.000

RUN NO. 569/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	CP240	CP12	CP13
.899	-11.653	-33260	.24380	.21130
.899	-7.950	.73570	.87070	.85120
.899	-5.927	-33210	.24210	.20820
.900	-3.930	1.30590	.73390	.71510
.901	-1.940	.32800	.24520	.20810
.899	.019	2.80200	.68840	.70180
.900	2.008	-32470	.24210	.20840
.900	4.007	-25280	-25400	-25330
.900	6.000	-31770	.24480	.20980
.900	8.020	-1.18170	.49840	.51220
.899	12.009	-31650	.24490	.20950
.900	16.318	-96350	.64640	.66410
.899	22.585	-35120	.24040	.20690
	GRADIENT	-1.5807	-1.0009	-0.9795

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO ALPHA = 5.000 BETA = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YO ELV-OB = .000 AILRON = .000
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO BDFLAP = 25.000 SPDBRK = 25.000
SCALE = .0500 RN/L = 5.000

RUN NO. 844/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.596	-3.930	-20590	-20850	-20660	-20400	-22560	-22560	-23420	-25150	.14970	.13200
.596	-1.941	-20550	-20860	-20220	-21050	-23030	-23030	-23770	-24960	.14830	.12860
.597	.040	-20370	-20640	-20640	-20370	-22730	-22730	-23700	-24580	.15090	.13250
.596	2.017	-20700	-20820	-21060	-20800	-23330	-23330	-24540	-25970	.14980	.13170
.596	4.010	-21510	-21630	-21680	-21250	-23990	-23990	-24870	-26470	.15010	.13160
	GRADIENT	-0.0100	-0.0077	-0.0145	-0.0073	-0.0159	-0.0159	-0.0185	-0.0184	.00012	.00012

AMES 118-1-11 OAI45A 01

(E2F0E6) (08 JUL 77)

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELV-OB = .000 AILRON = .000
BDFLAP = 25.000 SPDBRK = 25.000
RUDDER = .000 RN/L = 5.000

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OAI45 TABULATED FORCE DATA

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(E2F0E6) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

ALPHA =
 ELV-OB =
 BOFLAP =
 RUDDER =

BETA =
 AILRON =
 SPDBRK =
 RN/L =

RUN NO. 838/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-1B	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.900	-3.925	-21770	-22120	-22330	-22640	-30640	-30640	-31050	-32290	.23660	.20880
.900	-1.935	-22900	-23050	-23250	-23570	-31790	-31790	-32880	-32040	.23720	.20730
.899	.030	-23720	-23550	-23380	-23290	-32470	-32470	-32660	-34070	.23750	.20750
.900	2.012	-24730	-23790	-24580	-24870	-32560	-32560	-33560	-33460	.24050	.20970
.900	3.996	-24290	-25090	-25260	-25180	-33260	-33260	-33650	-35230	.24100	.21110
	GRADIENT	.00347	.00338	.00419	.00373	.00304	.00304	.00297	.00369	.00041	.00035

RUN NO. 820/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-1B	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.198	-3.936	-29880	-30240	-30270	-30270	-30530	-30530	-30940	-31750	.40900	.35810
1.199	-1.941	-29520	-29510	-29380	-29110	-30660	-30660	-31030	-31400	.40920	.35860
1.199	.010	-29580	-29650	-29790	-29840	-30870	-30870	-31170	-32120	.40920	.35840
1.199	2.022	-30150	-30040	-30050	-30220	-31480	-31480	-31760	-32090	.40970	.35860
1.200	4.010	-31380	-31500	-31170	-31540	-32080	-32080	-33520	-33380	.41010	.35920
	GRADIENT	.00183	.00154	.00125	.00184	.00198	.00198	.00297	.00199	.00014	.00011

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(E2F0E7) (08 JUL 77)

REFERENCE DATA

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 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

ALPHA =
 ELV-OB =
 BOFLAP =
 RUDDER =

BETA =
 AILRON =
 SPDBRK =
 RN/L =

RUN NO. 845/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-1B	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.597	1.025	-20720	-21010	-20670	-20940	-24570	-24570	-25950	-28330	.15050	.13360
.597	3.022	-21320	-21390	-21010	-21370	-25240	-25240	-26930	-28810	.15080	.13120
.596	5.016	-21750	-22180	-21580	-22010	-26480	-26480	-28260	-30050	.14900	.13000
.597	7.008	-22590	-22510	-22660	-22540	-26950	-26950	-29200	-31150	.15420	.13550
.597	9.025	-24070	-23490	-23210	-23210	-28540	-28540	-31010	-33070	.15210	.13310
	GRADIENT	.00300	.00190	.00170	.00215	.00335	.00335	.00491	.00240	.00015	.00120

PARAMETRIC DATA

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(E2F0E7) (08 JUL 77)

REFERENCE DATA

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 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 839/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-18	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.901	1.010	-23570	-23410	-23360	-23700	-30910	-30910	-31080	-30470	.24050	.20840
.900	3.023	-23970	-24720	-25030	-24750	-30730	-30730	-31240	-32070	.24010	.20970
.900	4.998	-25990	-25650	-25380	-25500	-30850	-30850	-32340	-32090	.24170	.21340
.900	7.002	-26300	-26170	-26530	-26900	-32760	-32760	-33310	-33220	.24140	.20850
.898	9.023	-27860	-27380	-26870	-27420	-33680	-33680	-33910	-34350	.23790	.20640
	GRADIENT	-20605	-20562	-20508	-20452	.00015	.00015	.00315	.00407	.00030	.00125

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELV-OB = 5.000 AILRON = .000
 BDFLAP = .000 SPDBRK = 25.000
 RUDDER = .000 RN/L = 5.000

RUN NO. 821/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-18	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.200	1.005	-29980	-30290	-30110	-30010	-30560	-30560	-30950	-31490	.41250	.36150
1.201	3.007	-30670	-30850	-30900	-30620	-31430	-31430	-31650	-32130	.41090	.35980
1.200	4.998	-31700	-31530	-31290	-31210	-31820	-31820	-32480	-32560	.40990	.35930
1.199	6.999	-32180	-32380	-32020	-31900	-32720	-32720	-32740	-33520	.41170	.35940
1.200	9.025	-32780	-32820	-32610	-32290	-33370	-33370	-33470	-34000	.41160	.35940
	GRADIENT	-200431	-200310	-200296	-200301	.00316	.00316	.00383	.00268	.00065	.00055

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 846/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-18	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.600	-8.929	-19070	-18810	-18620	-18960	-21980	-21980	-22640	-23320	.15250	.13540
.598	-6.943	-19470	-19520	-19630	-19970	-22510	-22510	-22820	-23600	.14950	.13340
.598	-4.925	-20440	-19870	-19820	-20080	-23260	-23260	-23550	-24420	.15080	.12850
.597	-2.930	-20550	-20700	-20650	-20410	-23270	-23270	-23530	-24860	.14920	.13100
.598	-942	-20090	-20020	-20450	-20450	-23240	-23240	-23910	-23980	.15070	.13260
	GRADIENT	.00088	.00038	.00206	.00093	.00005	.00005	.00090	.00135	.00003	.00103

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELV-OB = -5.000 AILRON = .000
 BDFLAP = .000 SPDBRK = 25.000
 RUDDER = .000 RN/L = 5.000

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REFERENCE DATA

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 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

ALPHA =
 ELV-OB =
 BDFLAP =
 RUDDER =

BETA = .000
 AILRON = .000
 SPDBRK = 25.000
 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 840/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.900	-8.940	-21530	-21100	-20810	-20710	-30460	-30460	-31020	-31150	.23860	.20880
.900	-6.932	-21260	-20800	-21050	-21000	-31000	-31000	-31820	-32170	.23810	.20780
.900	-4.925	-21230	-21150	-21210	-21200	-31790	-31790	-32000	-31640	.23720	.20700
.900	-2.935	-21930	-22270	-22680	-22340	-32430	-32430	-32910	-34100	.23960	.20800
.899	-911	-23150	-23020	-22230	-22400	-33330	-33330	-34130	-33760	.23820	.20610
	GRADIENT	-200479	-200466	-200253	-200298	-200384	-200384	-200531	-200526	.00025	-200023

RUN NO. 822/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.205	-8.940	-27360	-27290	-27430	-27080	-26880	-26880	-26900	-26980	.41330	.36360
1.200	-6.942	-29100	-28520	-28550	-28930	-28610	-28610	-29180	-29400	.41010	.36080
1.201	-4.936	-29370	-29030	-29000	-29360	-29410	-29410	-29890	-30890	.41310	.36280
1.200	-2.930	-29420	-29090	-29320	-28900	-29350	-29350	-30110	-30840	.41040	.36080
1.200	-936	-29110	-29230	-29060	-29040	-30310	-30310	-30800	-31300	.41010	.35870
	GRADIENT	.00065	-200050	-200015	.00080	-200225	-200225	-200227	-200102	-200075	-200103

AMES 118-1-11 OAI45A 01

(E2F0E9) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

ALPHA =
 ELV-OB =
 BDFLAP =
 RUDDER =

BETA = .000
 AILRON = .000
 SPDBRK = 25.000
 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 847/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.598	-3.951	-21010	-20560	-20370	-20900	-23690	-23690	-24330	-24990	.14810	.12970
.598	-1.980	-20750	-20340	-20490	-20510	-23340	-23340	-23670	-25450	.15080	.13090
.598	.016	-20430	-20910	-20390	-20340	-23050	-23050	-23780	-25040	.15050	.13060
.598	1.996	-21100	-20720	-20550	-20770	-23340	-23340	-24260	-24550	.14830	.13010
.598	4.002	-20820	-20870	-20990	-20750	-23990	-23990	-25610	-27310	.15570	.13280
	GRADIENT	.00002	-200050	-200065	.00002	-200030	-200030	-200159	-200189	.00064	.00027

REFERENCE DATA

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 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 841/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.900	-3.951	-24100	-23320	-23900	-23590	-33570	-33570	-34640	-35100	.23730	.20880
.900	-1.954	-23430	-23870	-23120	-23320	-33240	-33240	-33920	-35740	.23870	.20770
.999	.024	-23580	-23660	-23420	-23560	-32360	-32360	-33500	-33600	.23570	.20750
.900	2.007	-22580	-23180	-23550	-23530	-31100	-31100	-31710	-32580	.23880	.20860
.899	4.017	-23100	-24040	-23360	-23740	-29890	-29890	-30740	-30840	.23920	.20860
	GRADIENT	.00143	-.00038	.00033	-.00026	.00478	.00478	.00503	.00587	.00020	.00003

ALPHA = 5.000 BETA = .000
 ELV-IB = .000 AILRON = .000
 BDFLAP = .000 SPDBRK = 25.000
 RUDDER = .000 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 823/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.201	-3.946	-29240	-29070	-29070	-29210	-30700	-30700	-31480	-31570	.41200	.36020
1.200	-1.954	-29780	-29900	-30110	-29740	-30510	-30510	-32220	-32110	.41020	.35960
1.201	.000	-29740	-29270	-29330	-29490	-30730	-30730	-31420	-31450	.41270	.36150
1.200	1.997	-29660	-29680	-29740	-29680	-30970	-30970	-31860	-31860	.41030	.35980
1.201	3.997	-29600	-29770	-29470	-29580	-30940	-30940	-31550	-31790	.41140	.36070
	GRADIENT	-.00030	-.00060	-.00022	-.00034	-.00047	-.00047	.00011	-.00010	-.00006	.00006

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 848/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.597	1.019	-21720	-21980	-21480	-21550	-24730	-24730	-26170	-27360	.14940	.12980
.598	3.009	-21720	-21050	-21720	-21550	-24750	-24750	-26350	-28820	.15300	.13580
.598	5.008	-22290	-21880	-21600	-21960	-26520	-26520	-28130	-30380	.15040	.13060
.598	7.015	-22110	-21660	-22610	-22050	-27050	-27050	-29730	-31530	.15180	.13760
.598	9.015	-22490	-22630	-22300	-22180	-29250	-29250	-31740	-33280	.15290	.13160
	GRADIENT	.00000	.00467	-.00012	.00000	-.00010	-.00010	-.00090	-.00734	.00181	.00301

ALPHA = 5.000 BETA = .000
 ELV-IB = .000 AILRON = .000
 BDFLAP = .000 SPDBRK = 25.000
 RUDDER = .000 RN/L = 5.000

PARAMETRIC DATA

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(E2F0F0) (08 JUL 77)

0A145 TABULATED FORCE DATA

DATE 10 MAR 80

(E2F0F0) (08 JUL 77)

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELV-18 = 5.000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RUDDER = .000 RN/L = 5.000

RUN NO. 842/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-08	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.900	1.014	-.25460	-.25850	-.25550	-.26300	-.32800	-.32800	-.32800	-.33930	.24230	.21230
.899	3.014	-.26160	-.25490	-.25850	-.26160	-.32210	-.32210	-.32210	-.32650	.23930	.20830
.901	5.002	-.24950	-.25220	-.24730	-.25400	-.31370	-.31370	-.31370	-.31690	.24460	.21190
.899	7.002	-.26610	-.25770	-.26420	-.26420	-.32450	-.32450	-.32450	-.33220	.23690	.20670
.900	9.015	-.25660	-.25310	-.26280	-.26210	-.32200	-.32200	-.32200	-.32790	.24140	.21080
	GRADIENT	-.00350	.00180	-.00150	.00070	.00295	.00295	.00115	.00640	-.00150	-.00200

RUN NO. 824/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-08	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.200	1.005	-.31400	-.31500	-.31500	-.31720	-.32370	-.32370	-.32300	-.33250	.41180	.36020
1.200	3.014	-.31660	-.31490	-.31670	-.31190	-.32510	-.32510	-.32550	-.33330	.41030	.35910
1.201	4.998	-.31860	-.31190	-.31190	-.31820	-.31960	-.31960	-.32470	-.32640	.41140	.36110
1.200	7.006	-.31500	-.31450	-.31490	-.31560	-.31950	-.31950	-.32230	-.33030	.41190	.36070
1.200	9.007	-.31020	-.31220	-.31160	-.31090	-.31640	-.31640	-.31630	-.32160	.41130	.35940
	GRADIENT	-.00115	.00077	.00077	-.00024	.00102	.00102	.00083	.00152	-.00010	.00022

AMES 118-1-11 0A145A 01

(E2F0F1) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELV-18 = -5.000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RUDDER = .000 RN/L = 5.000

RUN NO. 849/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-08	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.598	-C.945	-.19750	-.19940	-.20250	-.19850	-.23170	-.23170	-.23740	-.24220	.14780	.12940
.598	-6.944	-.19670	-.19860	-.20290	-.20120	-.22820	-.22820	-.23200	-.23810	.14720	.13050
.598	-4.937	-.19990	-.20150	-.20030	-.20220	-.23020	-.23020	-.23330	-.24200	.14670	.12840
.598	-2.940	-.20570	-.20480	-.20480	-.20050	-.23110	-.23110	-.23510	-.24700	.14670	.12770
.598	-.940	-.19830	-.20530	-.20030	-.19880	-.22500	-.22500	-.22880	-.24120	.14720	.12940
	GRADIENT	.00040	-.00095	.00000	.00085	.00130	.00130	.00113	.00020	.00013	.00025

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

RUN NO. 843/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.901	-8.960	-20990	-21480	-20560	-21670	-30890	-30890	-31240	-30890	.24010	.21140
.901	-6.948	-22010	-21610	-21360	-21440	-31390	-31390	-31890	-32330	.23780	.20830
.900	-4.952	-21660	-21400	-21290	-20590	-31250	-31250	-31590	-32610	.23730	.20820
.901	-2.951	-20950	-21700	-21610	-21950	-31460	-31460	-32680	-33350	.23710	.20850
.899	-.930	-21930	-21980	-21880	-22270	-30340	-30340	-31040	-32110	.23990	.20760
	GRADIENT	-.00068	-.00144	-.00147	-.00417	.00227	.00227	.00138	.00125	.00065	-.00015

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELV-1B = -5.000 AILRON = .000
BDFLAP = .000 SPDBRK = 25.000
RUDDER = .000 RN/L = 5.000

RUN NO. 825/ 0

RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELV-OB	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.203	-8.960	-28790	-28770	-28620	-28600	-29570	-29570	-29410	-29690	.41200	.36070
1.201	-6.951	-29100	-28870	-28790	-28800	-29890	-29890	-29620	-30250	.40900	.35910
1.200	-4.953	-29530	-29060	-29410	-29290	-29570	-29570	-29600	-30320	.41080	.36050
1.201	-2.956	-29190	-29250	-29310	-29320	-29820	-29820	-30340	-30540	.41070	.36060
1.200	-.946	-29900	-29730	-29750	-29680	-30280	-30280	-30090	-30740	.41090	.36030
	GRADIENT	-.00093	-.00167	-.00085	-.00097	-.00177	-.00177	-.00122	-.00105	-.00007	-.00005

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

RUN NO. 850/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-1B	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.597	-3.984	-20650	-20960	-20650	-20740	-22980	-22980	-22990	-25000	.15050	.12940
.598	-1.980	-20890	-20320	-20650	-21010	-22690	-22690	-23850	-25460	.15100	.13290
.598	-.004	-20510	-20320	-20750	-20940	-22780	-22780	-23990	-25150	.15150	.13150
.593	1.977	-20610	-20930	-20880	-20740	-22980	-22980	-24110	-25770	.14960	.13240
.598	3.967	-20740	-20650	-20550	-20170	-23230	-23230	-24270	-25910	.15010	.13350
	GRADIENT	-.00005	.00003	.00009	.00071	-.00035	-.00035	-.00143	-.00107	-.00011	.00039

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELVON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

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0A145 TABULATED FORCE DATA

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(E2F0F2) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

ALPHA =
ELEVON =
SPOBRK =
RN/L =

BETA =
BDFLAP =
RUDDER =

MACH .900
.899
.900
.899
.901

RUN NO.	832/ 0	RN/L = 4.96	GRADIENT INTERVAL = -5.00/ 5.00
CP225	CP228	CP231	CP234
-21880	-22430	-22770	-22220
-23150	-22780	-22810	-22850
-23200	-23520	-23110	-23420
-24460	-23830	-23950	-24810
-24640	-25020	-25170	-24690
-00344	-00314	-00299	-00348
GRADIENT			

CP246
-32490
-32490
-32690
-33560
-34500
-000256
CP12
-24290
-23580
-23960
-23860
-23800
-000035
CP13
-20910
-20650
-20960
-20950
-21060
-000030

MACH 1.200
1.200
1.199
1.201
1.200

RUN NO.	826/ 0	RN/L = 5.02	GRADIENT INTERVAL = -5.00/ 5.00
CP225	CP228	CP231	CP234
-29900	-29780	-29710	-29980
-29500	-29610	-29370	-29880
-29880	-29730	-29970	-29700
-30190	-30060	-30250	-30160
-30760	-30860	-30640	-30810
-00121	-00132	-00138	-00098
GRADIENT			

CP246
-31500
-31390
-31720
-32030
-32690
-00152
CP12
-41230
-41190
-40990
-41150
-41030
-000022
CP13
-35950
-36150
-35880
-36210
-36050
-000013

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

ALPHA =
ELEVON =
SPOBRK =
RN/L =

BETA =
BDFLAP =
RUDDER =

MACH .598
.598
.598
.598
.598

RUN NO.	851/ 0	RN/L = 4.98	GRADIENT INTERVAL = -5.00/ 5.00
CP225	CP228	CP231	CP234
-21790	-20980	-21210	-21210
-21780	-21760	-21400	-21640
-22420	-21850	-22190	-22070
-22780	-22280	-22470	-22450
-22930	-23670	-23870	-24030
-00156	-00286	-00309	-00313
GRADIENT			

CP246
-29110
-29410
-29810
-31230
-33000
-000465
CP12
-15260
-15640
-15100
-14950
-15370
-000021
CP13
-13300
-13470
-13050
-12870
-13590
-000002

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(E2F0F3) (08 JUL 77)

PARAMETRIC DATA

5.000
5.000
25.000
5.000

PARAMETRIC DATA

5.000
5.000
25.000
5.000

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

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(E2F0F3) (08 JUL 77)

REFERENCE DATA

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=	LREF	=	474.8100	INCHES	YMRP	=	.0000	IN.	Y0	=	5.0000	BDELAP	=	.0000
=	BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN.	Z0	=	25.0000	RUDDER	=	.0000
=	SCALE	=	.0500							=	5.0000	RN/L	=	

PARAMETRIC DATA

833/ 0	RN/L = 4.96	GRADIENT INTERVAL = -5.00/	5.00
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[illegible]

REFERENCE DATA

=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN.	XO
=	474.8100	INCHES	YMRP	=	.0000	IN.	YO
=	936.6800	INCHES	ZMRP	=	375.0000	IN.	ZO
=	.0500	SCALE					

PARAMETRIC DATA

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6

MACH	AIR-18	CP225	CP228	CP231	CP234	CP237	CP240	CP243
.600	-4.564	-.19550	-.19280	-.19310	-.19140	-.23190	-.22190	-.22520
.598	-2.377	-.19930	-.19930	-.19930	-.20020	-.22840	-.22840	-.22950
.598	-.284	-.19740	-.19860	-.19860	-.19760	-.22550	-.22550	-.22910
.598	1.925	-.19940	-.20030	-.19630	-.19890	-.22910	-.22910	-.23390
.598	3.940	-.19990	-.19990	-.19870	-.19580	-.23130	-.23130	-.23390
GRADIENT		-.00080	-.00076	-.00039	-.00036	-.00092	-.00092	-.00103

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(E2F0F4) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = -5.000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 834/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-1B	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.902	-4.564	-21120	-20900	-21380	-20870	-29760	-29760	-30340	-29850	-24190	-20940
.900	-2.383	-21730	-21530	-21300	-20890	-30900	-30900	-32080	-32340	-23870	-20770
.899	-2.289	-21290	-21500	-21310	-20970	-30800	-30800	-32260	-32120	-23810	-20940
.899	1.915	-21870	-21660	-22020	-21680	-32300	-32300	-33480	-33440	-23590	-20760
.899	3.945	-22090	-21750	-22550	-23010	-33730	-33730	-34030	-34410	-23540	-20580
	GRADIENT	-20098	-200179	-200160	-200237	-200438	-200438	-200413	-200480	-200074	-200034

RUN NO. 828/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-1B	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.201	-4.575	-26270	-26280	-26370	-26340	-24650	-24650	-24820	-24830	-41190	-36020
1.200	-2.389	-28510	-28400	-28070	-28400	-28680	-28680	-28460	-28920	-40970	-35810
1.201	-2.294	-29190	-29020	-28870	-28890	-29210	-29210	-29550	-29770	-41070	-36060
1.200	1.910	-29050	-28960	-29060	-28930	-29830	-29830	-30270	-30870	-40920	-35990
1.201	3.934	-28100	-28110	-28560	-28410	-29680	-29680	-30270	-30370	-41020	-36090
	GRADIENT	-200199	-200200	-200254	-200221	-200529	-200529	-200599	-200615	-200019	-200015

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
ELEVON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 853/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-08	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.597	-3.991	-20600	-20840	-21010	-20720	-23530	-23530	-24150	-24760	-15140	-13170
.598	-1.982	-20630	-20950	-20920	-20630	-23220	-23220	-23830	-25040	-15300	-13220
.598	-1.007	-20510	-20610	-20440	-20560	-23120	-23120	-24070	-25300	-15010	-13040
.598	1.984	-20600	-20600	-20560	-20790	-23480	-23480	-24330	-26060	-14880	-12800
.598	3.976	-20530	-20630	-20560	-20720	-23980	-23980	-25620	-27320	-14730	-13190
	GRADIENT	.00009	.00039	.00059	-20008	-200058	-200058	-200173	-200309	-200062	-200019

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(E2F0F5) (08 JUL 77)

OAI45 TABULATED FORCE DATA
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DATE 10 MAR 80

(E2F0F5) (08 JUL 77)

REFERENCE DATA										PARAMETRIC DATA									
SREF =	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN. XO	ALPHA =	5.000	BETA =	5.000	BETA =	5.000	BETA =	5.000	BETA =	5.000	BETA =	5.000	BETA =
LREF =	474.8100	INCHES	YMRP	=	.0000	IN. YO	ELEVON =	.000	BDFLAP =	.000	BDFLAP =	.000	BDFLAP =	.000	BDFLAP =	.000	BDFLAP =	.000	BDFLAP =
BREF =	936.6800	INCHES	ZMRP	=	375.0000	IN. ZO	SPDRK =	25.000	RUDDER =	25.000	RUDDER =	25.000	RUDDER =	25.000	RUDDER =	25.000	RUDDER =	25.000	RUDDER =
SCALE =	.0500						RN/L =												
RUN NO. 835/ 0										GRADIENT INTERVAL = -5.00/ 5.00									
MACH	AIL-08	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13	CP12	CP13	CP12	CP13	CP12	CP13	CP12	CP13
.899	-3.977	-22740	-23540	-23130	-22890	-33700	-33700	-35020	-34450	.23810	.20790	.23810	.20790	.23810	.20790	.23810	.20790	.23810	.20790
.899	-1.962	-23300	-23470	-23740	-24100	-33350	-33350	-32420	-32670	.23830	.21070	.23830	.21070	.23830	.21070	.23830	.21070	.23830	.21070
.900	.001	-22850	-23340	-22470	-23430	-31840	-31840	-32190	-33390	.24070	.20840	.24070	.20840	.24070	.20840	.24070	.20840	.24070	.20840
.900	1.979	-23660	-23200	-23410	-23220	-31050	-31050	-32190	-33390	.23920	.20770	.23920	.20770	.23920	.20770	.23920	.20770	.23920	.20770
.899	3.971	-23520	-24000	-23800	-23330	-29920	-29920	-31740	-31570	.23910	.20002	.23910	.20002	.23910	.20002	.23910	.20002	.23910	.20002
	GRADIENT	.00097	.00033	.00051	.00001	.00497	.00497	.00461	.00363	.00015	.00002	.00015	.00002	.00015	.00002	.00015	.00002	.00015	.00002
RUN NO. 829/ 0										GRADIENT INTERVAL = -5.00/ 5.00									
MACH	AIL-08	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13	CP12	CP13	CP12	CP13	CP12	CP13	CP12	CP13
1.200	-3.986	-29250	-29330	-29220	-29330	-30700	-30700	-30840	-31950	.40990	.35950	.40990	.35950	.40990	.35950	.40990	.35950	.40990	.35950
1.200	-1.987	-29780	-29510	-29540	-29410	-31110	-31110	-30880	-31900	.40970	.35800	.40970	.35800	.40970	.35800	.40970	.35800	.40970	.35800
1.201	.012	-29720	-29470	-29820	-29570	-31010	-31010	-31320	-31960	.40960	.35890	.40960	.35890	.40960	.35890	.40960	.35890	.40960	.35890
1.199	1.979	-29980	-29520	-29670	-29560	-31060	-31060	-31520	-32170	.41030	.35930	.41030	.35930	.41030	.35930	.41030	.35930	.41030	.35930
1.201	3.971	-29770	-29570	-29300	-29570	-30730	-30730	-31340	-31410	.41110	.36070	.41110	.36070	.41110	.36070	.41110	.36070	.41110	.36070
	GRADIENT	.00062	.00025	.00015	.00032	.00001	.00001	.00082	.00041	.00015	.00019	.00015	.00019	.00015	.00019	.00015	.00019	.00015	.00019

OAI45A 01

(E2F0F6) (08 JUL 77)

REFERENCE DATA										PARAMETRIC DATA									
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LREF =	474.8100	INCHES	YMRP	=	.0000	IN. YO	ELEVON =	.000	BDFLAP =	.000	BDFLAP =	.000	BDFLAP =	.000	BDFLAP =	.000	BDFLAP =	.000	BDFLAP =
BREF =	936.6800	INCHES	ZMRP	=	375.0000	IN. ZO	SPDRK =	25.000	RUDDER =	25.000	RUDDER =	25.000	RUDDER =	25.000	RUDDER =	25.000	RUDDER =	25.000	RUDDER =
SCALE =	.0500						RN/L =												
RUN NO. 854/ 0										GRADIENT INTERVAL = -5.00/ 5.00									
MACH	AIL-08	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13	CP12	CP13	CP12	CP13	CP12	CP13	CP12	CP13
.597	-4.008	-22080	-22010	-22130	-21770	-24310	-24310	-25360	-27760	.15120	.13330	.15120	.13330	.15120	.13330	.15120	.13330	.15120	.13330
.598	-2.004	-21990	-22110	-21510	-21600	-25330	-25330	-26870	-28420	.15360	.13160	.15360	.13160	.15360	.13160	.15360	.13160	.15360	.13160
.598	.006	-21670	-21760	-21780	-21690	-25940	-25940	-2760	-29680	.15370	.13530	.15370	.13530	.15370	.13530	.15370	.13530	.15370	.13530
.597	1.998	-21700	-22010	-22230	-22040	-27710	-27710	-29330	-31750	.15200	.13170	.15200	.13170	.15200	.13170	.15200	.13170	.15200	.13170
.598	3.993	-22160	-22640	-22610	-22280	-28060	-28060	-31070	-33070	.15150	.13960	.15150	.13960	.15150	.13960	.15150	.13960	.15150	.13960
	GRADIENT	.00007	.00058	.00016	.00073	.00494	.00494	.00694	.00697	.00005	.00063	.00005	.00063	.00005	.00063	.00005	.00063	.00005	.00063

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(E2F0F6) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

ALPHA =
 ELEVON =
 SPOBRK =
 RN/L =

BETA =
 BOFLAP =
 RUDDER =

RUN NO. 836/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-08	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.900	-4.003	-25090	-26160	-25530	-25960	-32730	-32730	-34110	-34500	.24170	.21000
.900	-1.999	-26090	-25340	-25640	-25980	-32140	-32140	-33350	-33720	.23990	.20950
.899	.001	-25290	-25360	-25610	-25130	-31880	-31880	-32600	-33000	.24020	.20810
.899	1.988	-26370	-25860	-26230	-25820	-32790	-32790	-33560	-33250	.23640	.20480
.900	4.005	-25920	-25600	-25180	-25750	-31940	-31940	-32580	-32450	.24050	.21370
GRADIENT		.00097	.00030	.00006	.00029	.00047	.00047	.00143	.00229	-.00029	.00014

RUN NO. 830/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-CB	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.200	-4.017	-32000	-31770	-31770	-31400	-32160	-32160	-32700	-33110	.41270	.36070
1.201	-2.004	-31680	-31730	-31740	-31770	-32710	-32710	-32670	-33180	.41000	.35850
1.201	-.015	-31500	-31460	-31520	-31640	-31980	-31980	-32450	-32780	.41250	.36090
1.201	1.993	-31680	-31480	-31720	-31250	-31900	-31900	-32080	-32350	.41220	.36130
1.200	3.999	-31130	-31370	-30970	-30870	-31370	-31370	-31610	-31890	.41050	.36050
GRADIENT		.00087	.00052	.00081	.00079	.00119	.00119	.00138	.00163	-.00011	.00012

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0500

XMRP = 1076.6800 IN. XO
 YMRP = .0000 IN. YO
 ZMRP = 375.0000 IN. ZO

ALPHA =
 ELEVON =
 SPOBRK =
 RN/L =

BETA =
 BOFLAP =
 RUDDER =

RUN NO. 855/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-08	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.599	-3.998	-19590	-19380	-19780	-19760	-23150	-23150	-23620	-24120	.15280	.13180
.598	-2.024	-19720	-20230	-20110	-20250	-23080	-23080	-23240	-23980	.15000	.13160
.598	-.005	-19870	-19800	-19800	-19770	-22720	-22720	-23150	-24120	.14900	.13120
.598	2.010	-19700	-19680	-20130	-19460	-22570	-22570	-23280	-23990	.14980	.13200
.598	4.006	-19600	-20170	-20240	-20030	-22010	-22010	-22670	-24330	.15090	.13340
GRADIENT		.00000	.00051	.00047	.00013	.00139	.00139	.00093	.00021	-.00020	.00018

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(E2F0F7) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1075.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 837/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-08	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.899	-4.009	-21880	-21600	-21770	-21480	-31200	-31200	-31830	-32490	.23610	.20820
.900	-1.990	-22000	-21280	-21710	-21570	-32030	-32030	-32350	-32540	.23780	.20580
.901	.005	-21480	-20930	-21100	-21450	-31400	-31400	-31980	-32760	.23720	.20880
.901	2.001	-21490	-21290	-20770	-21410	-30920	-30920	-32680	-32230	.23880	.21140
.900	4.001	-21210	-21370	-21310	-21480	-31050	-31050	-31740	-31150	.23770	.20630
GRADIENT		.00092	.00023	.00093	.00008	.00070	.00070	.00008	.00149	.00021	.00009

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = -5.000 BOFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 831/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	AIL-08	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.201	-3.998	-29280	-29170	-29010	-29190	-29710	-29710	-29910	-30660	.41230	.36170
1.200	-1.999	-29510	-29040	-29510	-29270	-29740	-29740	-29870	-30300	.41030	.36000
1.201	.005	-29640	-29220	-29100	-29160	-29620	-29620	-29970	-30120	.41020	.36060
1.201	1.984	-29720	-29520	-29600	-29580	-30030	-30030	-30260	-30680	.41160	.36130
1.200	4.011	-30120	-29980	-29880	-29790	-30400	-30400	-30310	-31110	.41070	.36060
GRADIENT		.00095	.00105	.00092	.00076	.00084	.00084	.00059	.00064	-.00010	-.00005

OAIW5 TABULATED FORCE DATA

DATE 10 MAR 80

(E2F0F8) (06 MAR 80)

AMES 118-1-11 OAIW5A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 18.700 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPOBRK = 25.000 RUDDER = 3.000
 RN/L =

RUN NO. 320/ 0 RN/L = 2.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.399	-3.984	-.32010	-.21980	-.10000
.399	-2.924	-.32690	-.18080	-.06600
.400	-1.851	-.31970	-.15020	-.01920
.401	-1.328	-.31940	-.13500	-.00120
.400	-.807	-.32300	-.11500	-.01710
.400	-.284	-.32270	-.09620	-.03660
.400	.238	-.32750	-.07720	-.05270
.400	.743	-.32150	-.05830	-.07300
.400	1.248	-.32020	-.04560	-.09100
.400	1.746	-.32420	-.02660	-.10630
.400	2.262	-.31800	-.00910	-.12590
.401	3.289	-.31440	-.02580	-.16320
.400	4.329	-.31650	-.05990	-.19830
	GRADIENT	.00076	-.03376	.03603

RUN NO. 321/ 0 RN/L = 2.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.594	-3.991	-.35900	-.24870	-.07210
.594	-2.909	-.36130	-.21930	-.02990
.595	-1.859	-.37220	-.17860	-.00190
.599	-1.336	-.36730	-.16200	-.02550
.601	-.813	-.36350	-.14900	-.04870
.598	-.290	-.36380	-.12670	-.06410
.600	.234	-.35800	-.11500	-.08700
.598	.741	-.36440	-.09880	-.10120
.599	1.247	-.36460	-.07910	-.11740
.600	1.747	-.35450	-.06130	-.13930
.595	2.263	-.36210	-.04290	-.14990
.600	3.294	-.34650	-.00860	-.19190
.600	4.337	-.34830	-.02570	-.22710
	GRADIENT	.00185	-.03319	.03587

OAI45 TABULATED FORCE DATA

ANES 11B-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO

LREF = 474.8100 INCHES YMRP = .0000 IN. YO

BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO

SCALE = .0500

(E2F0F8) (06 MAR 80)

PARAMETRIC DATA

ALPHA = 18.700 ELEVON = .000

AILRON = .000 BDFLAP = .000

SPDBRK = 25.000 RUDDER = .000

RN/L = 3.000

RUN NO. 319/ 0 RN/L = 3.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP240	CP12	CP13
.799	-4.008	-.40610	.32590	-.00020
.797	-2.926	-.40500	.29210	.03920
.797	-1.876	-.41720	.25110	.07170
.798	-1.351	-.42390	.23650	.08820
.800	-.827	-.41070	.22280	.11380
.799	-.301	-.41660	.20000	.12940
.779	.178	-.42000	.15750	.12050
.799	.734	-.42340	.16410	.16330
.798	1.248	-.41510	.15020	.18450
.799	1.748	-.41460	.13350	.20170
.799	2.266	-.40650	.11770	.22260
.797	3.306	-.40750	.07780	.25720
.799	4.350	-.40130	.04680	.29460
	GRADIENT	.00057	-.03356	.03537

DATE 10 MAR 80

OAI145 TABULATED FORCE DATA

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(E2F0F9) (16 JUL 77)

AMES 118-1-11 OAI145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = .000
 AILRON = .000
 SPDBRK = 25.000
 RUDDER = 5.000
 ELEVON = .000
 BDFLAP = .000

RUN NO. 334/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.397	-3.976	-23310	-23280	-23240	-23350	-30300	-30300	-32880	-35050	.21410	-.09560
.397	-2.900	-24030	-23890	-23920	-24200	-30140	-30140	-32460	-35220	.17490	-.05470
.397	-1.854	-24290	-23420	-23420	-24150	-30230	-30230	-33290	-35640	.13780	-.01530
.397	-1.330	-24190	-24010	-24150	-23670	-29980	-29980	-32910	-34800	.12520	.00730
.397	-.810	-24840	-24010	-23940	-23660	-30590	-30590	-33280	-35750	.10470	.01890
.397	-.286	-24430	-24390	-24460	-24780	-30610	-30610	-32980	-35360	.09110	.03340
.397	.225	-24670	-23800	-24500	-24110	-30490	-30490	-33520	-35140	.07310	.04790
.398	.743	-23940	-24110	-23800	-23800	-29990	-29990	-33080	-34730	.05680	.06700
.397	1.254	-23940	-24210	-23760	-24280	-30280	-30280	-32580	-34820	.04020	.08240
.398	1.753	-23660	-23800	-23550	-23550	-29920	-29920	-32320	-33760	.02610	.10360
.398	2.270	-23690	-23830	-23720	-23650	-30510	-30510	-32700	-34250	.00600	.11600
.398	3.301	-22830	-23210	-23040	-23380	-29930	-29930	-32060	-33830	-.02930	.15730
.397	4.340	-23800	-23550	-23660	-23210	-30140	-30140	-32650	-34060	-.06530	.19210
	GRADIENT	.00070	.00005	.00025	.00060	.00021	.00021	.00071	.00203	-.03304	.03378

RUN NO. 403/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.598	-4.020	-26350	-26190	-26210	-26420	-34260	-34260	-35500	-36510	.24580	-.06970
.600	-2.972	-26310	-26220	-26080	-26050	-34250	-34250	-35470	-35910	.21720	-.02750
.600	-1.942	-26760	-26720	-26720	-26600	-34410	-34410	-35390	-36130	.18580	.00990
.602	-1.423	-26550	-25700	-25930	-26110	-33630	-33630	-34860	-36150	.17010	.03400
.601	-.908	-26580	-26020	-25720	-26280	-34130	-34130	-34920	-35180	.15350	.05300
.601	-.387	-27270	-26480	-27480	-27660	-34460	-34460	-35620	-36890	.13560	.06570
.600	.118	-26900	-26870	-27320	-27670	-34680	-34680	-36200	-37200	.11230	.08050
.600	.646	-27160	-26810	-27530	-27390	-34860	-34860	-36020	-36530	.09720	.09930
.601	1.166	-26650	-26000	-26840	-26510	-34420	-34420	-35040	-36800	.08300	.12080
.601	1.672	-25950	-25880	-26300	-26090	-33760	-33760	-34550	-35750	.07110	.14120
.601	2.193	-25940	-24590	-25990	-25750	-33450	-33450	-34630	-35810	.04860	.16140
.601	3.232	-25910	-25220	-25940	-25750	-33640	-33640	-34840	-35790	.01460	.19020
.601	4.269	-25400	-25560	-25280	-25070	-32980	-32980	-34370	-35250	-.01070	.22680
	GRADIENT	.00112	.00139	.00058	.00118	.00122	.00122	.00120	.00077	-.03190	.03549

OAI45 TABULATED FORCE DATA

DATE 10 MAR 80

(E2F0F9) (16 JUL 77)

AMES 118-1-11 OAI45A 01

PARAMETRIC DATA

ALPHA = 18.700 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

REFERENCE DATA

SREF = 2650.000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

RUN NO. 407/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.800	-4.067	-.28530	-.28220	-.28770	-.28770	-.40710	-.40710	-.41880	-.42060	.32560	.00150
.798	-3.011	-.29140	-.28830	-.29400	-.29470	-.41860	-.41860	-.42650	-.43170	.28700	.03460
.800	-1.972	-.29840	-.28970	-.29620	-.29570	-.42020	-.42020	-.42300	-.43070	.25700	.07280
.800	-1.450	-.29560	-.29250	-.29530	-.29340	-.41750	-.41750	-.42360	-.43380	.24380	.09460
.799	-.929	-.29920	-.29680	-.29740	-.29150	-.41990	-.41990	-.42690	-.43940	.22430	.11240
.800	-.400	-.29060	-.29120	-.29250	-.29270	-.42310	-.42310	-.42070	-.43030	.20560	.12910
.799	.099	-.29350	-.29780	-.29570	-.29500	-.42440	-.42440	-.43070	-.44140	.19040	.14550
.799	.639	-.29790	-.30010	-.29670	-.29530	-.42630	-.42630	-.43220	-.45130	.16760	.16370
.799	1.161	-.29410	-.28930	-.29410	-.29620	-.42580	-.42580	-.43110	-.44170	.15080	.18070
.901	1.669	-.28470	-.28670	-.28210	-.28670	-.41600	-.41600	-.42430	-.43920	.14080	.20370
.799	2.197	-.28630	-.28720	-.28820	-.29070	-.42110	-.42110	-.43000	-.43810	.11880	.21700
.800	3.246	-.27700	-.28440	-.27720	-.28790	-.40710	-.40710	-.42520	-.43890	.09250	.25670
.799	4.294	-.28790	-.28320	-.27990	-.28880	-.40390	-.40390	-.41260	-.43180	.05860	.28970
	GRADIENT	.00110	.00036	.00175	.00044	.00059	.00059	.00006	-.00150	-.03206	.03474

DATE 10 MAR 80

0A145 TABULATED FORCE DATA

AMES 118-1-11 0A145A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

ALPHA =
 AILRON =
 SPOBRK =
 RN/L =

18.700 ELEVON = .000
 .000 BDELAP = .000
 25.000 RUDDER = .000
 9.000

PARAMETRIC DATA

RUN NO. 335/ 0 RN/L = 6.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.597	-4.024	-26060	-25850	-26110	-25770	-35030	-35030	-36310	-37490	.25010	-.06290
.597	-2.985	-25540	-25590	-25520	-25710	-35460	-35460	-36470	-37020	.21540	-.02460
.597	-1.943	-26590	-26760	-26250	-27220	-35470	-35470	-36320	-37990	.17910	.01310
.598	-1.420	-26200	-26770	-26320	-26380	-35630	-35630	-36200	-37300	.16440	.03330
.597	-.899	-26570	-26440	-26370	-26640	-36120	-36120	-37250	-37720	.14580	.05030
.597	-.373	-26860	-26470	-26060	-26790	-35800	-35800	-36690	-37680	.13040	.07140
.596	.164	-28510	-28430	-28460	-28720	-37460	-37460	-38960	-39820	.10780	.08330
.597	.675	-27200	-26690	-26860	-27210	-36490	-36490	-37500	-38940	.09300	.10070
.597	1.197	-26340	-26190	-26610	-26370	-35790	-35790	-37030	-38090	.07870	.12010
.597	1.709	-26550	-26010	-26020	-26060	-35980	-35980	-37440	-38590	.06000	.13220
.597	2.238	-25910	-26030	-25840	-26010	-36140	-36140	-36960	-38400	.04430	.14730
.598	3.284	-25190	-24940	-25240	-25430	-34630	-34630	-36270	-36740	.00980	.18920
.597	4.331	-25640	-25330	-25020	-24970	-34720	-34720	-35960	-37360	-.02770	.22270
	GRADIENT	.00053	.00099	.00085	.00103	.00027	.00027	.00020	-.00036	-.03299	.03365

RUN NO. 340/ 0 RN/L = 7.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	C.228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.799	-4.156	-27750	-27680	-28140	-28210	-42570	-42570	-43540	-44430	.32650	.00800
.798	-3.091	-28330	-28430	-28800	-29220	-43740	-43740	-43810	-44790	.28450	.04100
.798	-2.033	-29070	-28600	-29260	-29030	-43480	-43480	-45320	-45760	.25890	.08070
.799	-1.500	-29390	-28710	-29340	-29020	-43890	-43890	-45020	-45690	.24140	.09760
.798	-.963	-29100	-29020	-29510	-29260	-44160	-44160	-45000	-46500	.22180	.11770
.799	-.427	-29710	-28220	-29600	-29530	-44350	-44350	-45620	-46020	.20310	.13530
.800	.105	-28420	-28450	-29320	-29070	-44040	-44040	-45160	-45880	.19220	.15590
.800	.639	-28480	-28870	-29110	-29030	-43050	-43050	-45340	-45330	.17610	.17800
.799	1.166	-28420	-28730	-28860	-28640	-44010	-44010	-44650	-46690	.15620	.19020
.799	1.688	-28750	-28480	-28290	-28660	-43800	-43800	-45040	-45820	.13690	.21000
.799	2.226	-28370	-28630	-28550	-28390	-43830	-43830	-45360	-46520	.11810	.22630
.799	3.297	-28370	-28630	-28030	-28230	-44410	-44410	-45800	-46230	.08430	.25620
.798	4.361	-28070	-27890	-28330	-28230	-43570	-43570	-45070	-46860	.05180	.29520
	GRADIENT	.00033	.00028	.00072	.00044	-.00083	-.00083	-.00169	-.00225	-.03204	.03399

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OAI45 TABULATED FORCE DATA

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(E2F001) (05 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

BETA = 2.000
AILRON = .000
SPOBRK = 25.000
RN/L = 3.000
ELEVON = .000
BDFLAP = .000
RUDDER = .000

RUN NO. 858/ 0 RN/L = 3.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.400	-4.999	-.19490	-.08230	-.02910
.398	-.037	-.18380	.03500	.09070
.398	2.518	-.20330	.06510	.13840
.398	5.160	-.22030	.09540	.16960
.399	8.197	-.24240	.11010	.18690
.399	10.211	-.24540	.11530	.19800
.399	12.195	-.26180	.10420	.19270
.399	15.219	-.30890	.07860	.17360
.399	17.204	-.29830	.04570	.15680
.397	19.242	-.31060	.00730	.12460
	GRADIENT	-.00066	.02016	.02254

RUN NO. 859/ 0 RN/L = 3.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.598	-5.021	-.22000	-.06800	-.01510
.599	-.038	-.20670	.04130	.10080
.598	2.516	-.22010	.07950	.15230
.596	5.140	-.23530	.10730	.18250
.595	8.196	-.25260	.12570	.19740
.595	10.185	-.26320	.12620	.20610
.595	12.238	-.27650	.12010	.20160
.595	15.222	-.32240	.09520	.19240
.597	17.248	-.34670	.06740	.17850
.597	19.166	-.38870	.03400	.14690
	GRADIENT	-.00525	.01496	.02016

RUN NO. 860/ 0 RN/L = 2.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.801	-4.994	-.24820	-.00260	.04480
.801	-.047	-.23780	.08840	.14460
.800	2.516	-.24450	.12330	.19160
.797	5.146	-.24960	.15000	.22100
.796	8.222	-.26990	.16620	.23770
.796	10.255	-.31960	.17100	.24360
.799	12.248	-.34150	.17420	.25160
.799	15.268	-.40410	.15900	.24940
.796	17.242	-.44740	.13360	.23160
.796	19.174	-.45750	.11050	.21270
	GRADIENT	.00071	.01698	.01963

REFERENCE DATA						PARAMETRIC DATA					
SREF =	2690.0000	SO.FT.	XMRP =	1076.6800	IN. XO	BETA =	2.000	ELEVON =	.000		
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO	AILRON =	.000	BDFLAP =	.000		
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO	SPOBRK =	25.000	RUDDER =	.000		
SCALE =	.0500					RN/L =	5.000				
RUN NO. 863/ 0						RN/L =	4.97	GRADIENT INTERVAL =	-5.00/ 5.00		
MACH						ALPHA					
.397						-5.006					
.397						-.026					
.397						2.516					
.396						5.151					
.396						8.174					
.395						10.233					
.395						12.244					
.397						15.264					
.397						17.227					
.397						19.164					
GRADIENT						.01451					

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REFERENCE DATA									
SREF =	2690.0000	SO.FT.	XMRP =	1076.6800	IN. XO				
LREF =	474.8100	INCHES	YMRP =	.0000	IN. YO				
BREF =	936.6800	INCHES	ZMRP =	375.0000	IN. ZO				
SCALE =	.0500								
RUN NO. 862/ 0						RN/L =	6.97	GRADIENT INTERVAL =	-5.00/ 5.00
MACH						ALPHA	CP240	CP12	CP13
.596						-5.066	-.22510	-.07660	-.01870
.597						-.030	-.20760	.03680	.10800
.597						2.526	-.21410	.07090	.15450
.596						5.151	-.23200	.09980	.18500
.598						8.286	-.24820	.11820	.20650
.597						10.341	-.25120	.12540	.21430
.597						12.347	-.27180	.12850	.21640
.596						15.384	-.32560	.09690	.19340
.596						17.323	-.36990	.07120	.17310
.596						19.267	-.39830	.05230	.15140
						GRADIENT	-.00254	.01334	.01819
PARAMETRIC DATA						BETA =	2.000	ELEVON =	.000
						AILRON =	.000	BDFLAP =	.000
						SPOBRK =	25.000	RUDDER =	.000
						RN/L =	6.900		

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 861/ 0 RN/L = 7.99 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

BETA = 2.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 7.900

MACH	ALPHA	CP240	CP12	CP13
.797	-5.094	-.23980	-.01520	.05370
.799	-.042	-.23160	.07790	.15470
.798	2.537	-.24210	.11020	.18960
.799	5.147	-.25060	.13070	.22150
.797	8.350	-.27850	.15960	.25100
.800	10.392	-.31270	.16430	.25380
.797	12.410	-.34780	.16870	.25850
.798	15.416	-.41560	.15460	.24760
.799	17.406	-.45710	.13830	.23630
.799	19.369	-.46660	.12670	.23050
	GRADIENT	-.00407	.01252	.01353

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 918/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.597	-5.206	-.20740	-.20740	-.21360	-.21190	-.21720	-.21720	-.21830	-.23060	-.04070	-.04160
.597	-2.18	-.20920	-.20950	-.20560	-.20970	-.21000	-.21000	-.21710	-.21660	.07670	.06230
.598	2.326	-.20490	-.20490	-.20490	-.20420	-.21580	-.21580	-.22100	-.22690	.12410	.10260
.598	4.802	-.21120	-.20670	-.20960	-.21120	-.22810	-.22810	-.23910	-.25210	.14910	.13000
.597	7.882	-.21060	-.21090	-.20850	-.21370	-.24840	-.24840	-.26960	-.28400	.17100	.14800
.598	9.946	-.20670	-.20290	-.20290	-.20340	-.24940	-.24940	-.27240	-.30060	.18290	.15230
.598	11.972	-.21240	-.21670	-.21290	-.21720	-.27100	-.27100	-.29730	-.31990	.18010	.14440
.598	15.007	-.23080	-.23480	-.23530	-.23220	-.32430	-.32430	-.33820	-.35060	.15930	.12250
.597	16.975	-.25150	-.25100	-.24750	-.24700	-.34880	-.34880	-.36300	-.36460	.13890	.10330
.597	18.950	-.27110	-.27650	-.26780	-.27530	-.36930	-.36930	-.39940	-.40920	.11040	.07510
.598	GRADIENT	-.00039	.00056	-.00059	-.00029	-.00360	-.00360	-.00437	-.00706	.01444	.01350

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OAI45 TABULATED FORCE DATA

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AMES 118-1-11 OAI45A 01(-MPS NOZ)

(E2F0G5) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPOBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 915/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.902	-5.238	-24750	-24880	-24780	-25220	-29080	-29080	-29100	-28830	.08350	.08440
.901	-2.228	-24710	-24300	-24200	-24340	-28070	-28070	-29080	-29430	.17440	.15460
.900	2.357	-23590	-23740	-23660	-23570	-30090	-30090	-31530	-31710	.20790	.18390
.898	4.858	-23700	-24080	-23420	-24330	-32290	-32290	-33380	-32840	.23730	.20640
.903	7.965	-24270	-24300	-24440	-24370	-34300	-34300	-34270	-34470	.26770	.23120
.899	9.992	-26080	-26400	-25540	-24980	-35940	-35940	-37020	-36890	.26890	.22940
.902	12.027	-26160	-25670	-26540	-26540	-38290	-38290	-37550	-38300	.27810	.23370
.902	15.072	-29880	-29080	-29710	-29440	-42990	-42990	-44490	-43010	.27480	.22770
.901	17.065	-31650	-32060	-31770	-31990	-45780	-45780	-46890	-46320	.26480	.22060
.900	18.999	-32270	-33120	-33030	-33120	-47070	-47070	-47220	-47420	.24750	.20260
GRADIENT		.00200	.00044	.00154	.00004	.00829	.00829	.00846	.00672	.01237	.01019

RUN NO. 914/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.199	-5.247	-27410	-27520	-27490	-27470	-27040	-27040	-26540	-28440	.33140	.34310
1.199	-2.17	-26740	-26880	-26810	-26740	-26910	-26910	-27590	-27670	.37870	.35120
1.201	2.366	-27840	-27720	-27740	-27580	-28670	-28670	-29270	-29930	.39830	.35530
1.200	4.911	-29410	-29440	-29380	-29550	-31280	-31280	-31820	-32200	.41110	.36010
1.198	7.997	-30860	-31340	-31170	-31340	-32750	-32750	-33060	-33180	.42530	.36630
1.199	10.040	-31200	-31310	-31360	-31300	-33280	-33280	-33980	-33670	.43470	.37130
1.200	12.069	-31420	-30820	-30660	-31250	-33640	-33640	-34110	-34010	.43690	.37030
1.200	15.077	-32500	-32400	-32480	-32330	-33960	-33960	-34570	-34380	.43820	.36820
1.199	17.062	-34080	-33880	-34080	-34170	-35310	-35310	-35580	-35510	.43490	.36640
1.197	19.033	-34660	-34760	-34750	-34590	-35790	-35790	-36300	-36500	.43060	.36350
GRADIENT		.00520	.00499	.00501	.00547	.00852	.00852	.00824	.00883	.00632	.00174

RUN NO. 911/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.405	-5.238	-26780	-26780	-26750	-26700	-27470	-27470	-27950	-28130	.39550	.42870
1.405	-2.30	-28050	-27860	-27870	-27900	-28570	-28570	-29520	-29020	.43840	.43870
1.402	2.329	-28660	-28880	-28930	-28810	-29640	-29640	-30190	-30390	.45640	.44850
1.400	4.884	-29330	-29370	-29110	-29190	-30290	-30290	-31230	-30800	.47500	.44540
1.401	7.961	-30310	-30590	-30420	-30570	-31250	-31250	-31780	-31670	.48500	.45150
1.401	10.007	-31040	-31170	-31040	-31170	-31510	-31510	-31780	-32040	.49480	.46340
1.402	12.032	-32090	-32240	-32020	-32200	-32380	-32380	-32540	-32700	.49640	.45190
1.403	15.032	-33220	-33100	-32910	-32840	-32920	-32920	-33090	-33560	.49810	.45240
1.390	17.055	-35220	-35000	-35210	-35150	-33790	-33790	-34290	-34150	.49570	.45260
1.382	19.035	-36740	-36420	-36450	-36720	-34300	-34300	-34520	-34650	.49330	.44540
GRADIENT		.00250	.00295	.00243	.00252	.00336	.00336	.00334	.00348	.00716	.00131

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AMES 118-1-11 OAI45A 01(-MPS NOZ)

(E2F006) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = .000
 AILRON = .000
 SPOBRK = .000
 RN/L = .000
 ELEVON = .000
 BDFLAP = .000
 RUDDER = .000

RUN NO. 917/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.597	-6.056	-20990	-21210	-21420	-21040	-23050	-23050	-23730	-25310	.29650	-.01510
.598	-1.938	-20600	-20320	-20390	-20790	-22740	-22740	-23840	-25200	.20170	.08270
.598	-.899	-20160	-20750	-20650	-20420	-22650	-22650	-23910	-25130	.17410	.10900
.598	.086	-20490	-20160	-20490	-20470	-23020	-23020	-23860	-25150	.15370	.12930
.598	.633	-20710	-20520	-20780	-20760	-23030	-23030	-23920	-25560	.14260	.14470
.597	1.116	-20830	-20550	-20670	-20720	-23080	-23080	-23900	-25310	.12700	.15490
.598	2.173	-20700	-20650	-20440	-20750	-23490	-23490	-23750	-25460	.10530	.18040
.597	3.200	-20790	-21170	-21290	-21550	-23200	-23200	-24940	-25480	.07370	.20680
.598	4.238	-21310	-21170	-20480	-21190	-23220	-23220	-24110	-25500	.05370	.23290
.598	6.299	-21500	-22060	-21470	-21950	-23150	-23150	-24370	-25540	.00530	.28440
	GRADIENT	-.00124	-.00137	-.00049	-.00130	-.00104	-.00104	-.00097	-.00062	-.02411	.02420

RUN NO. 916/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.903	-6.113	-23760	-23590	-23710	-24220	-31430	-31430	-31990	-33420	.38720	.05660
.901	-1.984	-23240	-23090	-22630	-23000	-30320	-30320	-32340	-32380	.29490	.16160
.900	-.946	-23220	-22620	-23300	-22930	-32750	-32750	-33430	-32210	.26280	.18000
.901	.097	-22850	-23350	-23650	-23020	-32360	-32360	-33330	-32310	.22710	.20830
.899	.644	-23770	-23340	-23050	-23340	-31690	-31690	-33370	-33520	.22870	.22490
.901	1.151	-23200	-23260	-23710	-24000	-31570	-31570	-32450	-31770	.21850	.23770
.900	2.204	-23700	-24020	-24120	-23610	-31640	-31640	-33610	-34050	.19220	.26590
.899	3.245	-24610	-23920	-24770	-24900	-32380	-32380	-32520	-32550	.16880	.29020
.899	4.287	-24570	-25980	-25470	-25740	-32330	-32330	-33060	-34480	.14570	.31820
.896	6.361	-28030	-27200	-28030	-27810	-35470	-35470	-36600	-36880	.08530	.36570
	GRADIENT	-.00256	-.00410	-.00417	-.00440	-.00157	-.00157	-.00015	-.00286	-.02322	.02552

RUN NO. 913/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.200	-6.187	-31290	-31080	-31300	-31080	-31840	-31840	-32170	-32580	.55170	.26330
1.200	-2.072	-29830	-30010	-29830	-29880	-30310	-30310	-30480	-31270	.45910	.31240
1.198	-1.023	-29670	-29660	-29940	-29530	-30930	-30930	-31700	-31910	.43290	.33200
1.200	.029	-29230	-29670	-29470	-29200	-30940	-30940	-31480	-31920	.41400	.35920
1.201	.547	-28960	-29180	-29170	-29050	-30630	-30630	-31290	-31610	.39330	.37210
1.200	1.074	-29120	-29010	-29220	-29060	-30530	-30530	-31440	-31440	.39330	.38690
1.200	2.117	-29250	-29360	-29420	-29320	-30630	-30630	-31280	-31560	.37540	.35440
1.199	3.157	-29870	-29750	-29790	-29720	-30450	-30450	-31300	-31600	.35440	.43810
1.199	4.201	-29890	-29950	-29980	-29950	-30050	-30050	-30770	-31050	.33510	.46620
1.195	6.303	-30920	-30790	-30820	-30910	-31310	-31310	-31180	-31780	.30010	.51680
	GRADIENT	-.00029	.00031	-.00010	-.00031	.00071	.00071	.00006	.00057	-.01937	.02485

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(E2F0G7) (01 SEP 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 367/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.199	-40.000	-31330	-31620	-31590	-31560	-32060	-32060	-32570	-33160	.40030	.36220
1.206	-20.000	-30050	-29950	-29970	-30030	-31100	-31100	-31720	-32350	.40860	.36890
1.200	-10.000	-30650	-30650	-30580	-30610	-31510	-31510	-32290	-32990	.40310	.36570
1.204	.000	-31080	-30800	-30630	-30860	-31930	-31930	-32240	-32970	.40530	.36460
1.197	20.000	-33000	-33200	-33050	-33200	-33360	-33360	-34150	-35100	.40510	.35990
1.199	40.000	-33110	-32740	-33170	-33020	-33530	-33530	-34150	-34680	.41510	.37620
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ALPHA =
 ELEVON =
 BOFLAP =
 RUDDER =

5.000 BETA = .000
 .000 AILRON = .000
 .000 SPOBRK = 25.000
 .000 RN/L = 5.000

PARAMETRIC DATA

AMES 118-1-11 OAI45A 01

(E2F0G8) (01 SEP 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 886/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.951	-40.000	-24840	-25490	-25790	-25920	-31840	-31840	-33230	-34030	.27690	.24960
.951	-30.000	-23910	-24120	-24140	-24120	-32830	-32830	-33420	-33430	.27620	.23430
.953	-20.000	-23990	-24190	-24220	-24810	-32400	-32400	-32980	-33820	.27640	.24260
.952	-10.000	-23870	-23070	-23710	-23790	-32600	-32600	-32930	-33530	.27330	.24540
.952	-5.000	-23970	-23560	-23450	-23220	-32390	-32390	-33580	-34180	.27430	.24440
.952	.000	-23800	-24030	-24310	-24750	-32800	-32800	-34170	-34540	.27380	.24140
.951	5.000	-23930	-23400	-23790	-23580	-32090	-32090	-33800	-34360	.27350	.24250
.953	10.000	-23560	-23920	-23710	-23970	-32190	-32190	-33510	-34360	.27760	.24160
.952	20.000	-23610	-23710	-23760	-23770	-31770	-31770	-33480	-33890	.27820	.24050
.951	30.000	-23900	-23730	-24160	-24040	-32040	-32040	-33470	-33990	.27820	.24370
.948	40.000	-25300	-24990	-25180	-24790	-32310	-32310	-33530	-34320	.27850	.24410
	GRADIENT	-0.0002	.00016	-0.00034	-0.00036	.00030	.00030	-0.00022	-0.00018	-0.00008	-0.00019

ALPHA =
 ELEVON =
 BOFLAP =
 RUDDER =

5.000 BETA = .000
 .000 AILRON = .000
 .000 SPOBRK = .000
 .000 RN/L = 5.000

PARAMETRIC DATA

AMES 118-1-11 0A145A 01

(E2F0G8) (01 SEP 77)

REFERENCE DATA

XMRP	=	2690.0000	SQ.FT.
YMRP	=	474.8100	INCHES
ZMRP	=	936.6800	INCHES
	=	.0500	SCALE

- ALPHA
- ELEVEN
- BD FLAP
- RUDDER

5.000	BETA	=	.000
.000	AILRON	=	.000
.000	SPOBRK	=	.000
.000	RN/L	=	5.000

PARAMETRIC DATA

RUN NO.	887/ 0	RN/L = 5.00	GRADIENT INTERVAL = -5.00/ 5.00
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[illegible]

RUN NO.	889/ 0	RN/L = 4.99	GRADIENT INTERVAL = -5.00/ 5.00
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[illegible]

RUN NO.	894/ 0	RN/L =	5.01	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

(E2F008) (01 SEP 77)

AMES 118-1-11 OAI45A 01

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

ALPHA = 5.000 BETA = .000
ELEVON = .000 AILRON = .000
BDFLAP = .000 SPDBRK = .000
RUDDER = .000 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 895/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	Z	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.400	-40.000	-26790	-26890	-27010	-27030	-28250	-28250	-28180	-28630	.48410	.44850
1.405	-30.000	-28020	-28180	-28180	-28050	-29060	-29060	-29420	-29330	.47510	.44500
1.409	-20.000	-28340	-28400	-28310	-28400	-29460	-29460	-29680	-30050	.47910	.45130
1.407	-10.000	-29330	-29380	-29180	-29380	-30390	-30390	-30600	-30890	.47680	.44820
1.407	.000	-29240	-29090	-29000	-29040	-29990	-29990	-30410	-30590	.47890	.45030
1.404	10.000	-28470	-28200	-28220	-28300	-29570	-29570	-29960	-30030	.48200	.44790
1.401	20.000	-28850	-28870	-28870	-28870	-29650	-29650	-30320	-30330	.48080	.44960
1.398	30.000	-27710	-27860	-27670	-27920	-28480	-28480	-28780	-29010	.48120	.44780
1.399	35.000	-28600	-28520	-27870	-27810	-29580	-29580	-30070	-30620	.48030	.44770
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(E2F009) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

Z = -20.000 ALPHA = 5.000
BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RN/L = 5.000

PARAMETRIC DATA

RUN NO. 892/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.199	-10.771	-29530	-29520	-29400	-29700	-31540	-31540	-32340	-32610	.41110	.36070
1.201	-4.954	-28970	-28790	-28790	-28830	-31060	-31060	-31670	-32040	.41370	.36220
1.201	-2.442	-28710	-28540	-28690	-28880	-30940	-30940	-31580	-32260	.41370	.36230
1.199	-1.123	-28860	-28770	-28690	-28600	-31070	-31070	-30840	-32150	.41140	.35980
1.201	2.496	-28360	-28510	-28660	-28810	-31050	-31050	-31050	-32080	.41430	.36120
1.200	5.005	-29140	-29010	-28940	-29320	-31320	-31320	-31790	-32330	.41500	.35950
1.200	10.027	-29850	-29670	-29800	-29750	-31680	-31680	-32230	-32750	.41240	.36120
	GRADIENT	.00069	.00026	.00017	.00013	.00004	.00004	.00048	.00000	-.00001	-.00002

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(E2F0H0) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

RUN NO.

890/ 0

RN/L = 5.02

GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.201	-10.771	-32000	-32070	-32020	-32020	-32760	-32760	-3290	-33730	41400	36080
1.201	-4.954	-31180	-31480	-31440	-31580	-32530	-32530	-32840	-33450	41070	35830
1.201	-2.459	-31130	-31110	-31140	-30900	-32400	-32400	-32900	-33070	41150	35620
1.201	-1.16	-30870	-31020	-31040	-31250	-31890	-31890	-32500	-33050	41440	36100
1.201	2.513	-31140	-31190	-31170	-31030	-32100	-32100	-32860	-33160	41320	36020
	GRADIENT	.00014	.00038	.00036	.00053	.00072	.00072	.00013	.00036	.00041	.00042

PARAMETRIC DATA

Z = 35.000 ALPHA = 5.000
BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RN/L = 5.000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

RUN NO.

893/ 0

RN/L = 4.99

GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.199	-10.762	-30750	-31040	-30850	-30680	-31480	-31480	-32360	-32840	41070	36540
1.201	-4.954	-29870	-29890	-29990	-29860	-31070	-31070	-31730	-32140	40940	36560
1.200	-2.451	-29950	-29760	-29860	-29710	-31030	-31030	-31880	-32270	40660	36240
1.201	-1.16	-29560	-29690	-29420	-29420	-30890	-30890	-31700	-31940	40950	36490
1.201	2.496	-29610	-29690	-29690	-29650	-31030	-31030	-31250	-31840	40920	36250
1.201	5.024	-29990	-29990	-29960	-30090	-31500	-31500	-31900	-32510	40770	36000
1.201	10.003	-30410	-30260	-30200	-30310	-31660	-31660	-32190	-32600	40760	35950
	GRADIENT	.00047	.00027	.00053	.00036	.00010	.00010	.00066	.00050	.00009	.00028

PARAMETRIC DATA

Z = -40.000 ALPHA = 5.000
BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = .000 RN/L = 5.000

(E2F0H1) (16 JUL 77)

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OAI45 TABULATED FORCE DATA

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(E2F0H2) (16 JUL 77)

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REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

Z =
 BETA =
 AILRON =
 SPDBRK =
 ALPHA = 5.000
 ELEVON = .000
 BDFLAP = .000
 RN/L = 5.000

RUN NO. 891/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.201	-10.754	-29730	-29970	-29790	-29870	-31900	-31900	-31950	-32440	.41160	.35930
1.201	-4.939	-29310	-29500	-29200	-29110	-31290	-31290	-31690	-31640	.41110	.36010
1.200	-2.442	-29340	-29470	-29310	-29340	-31080	-31080	-31680	-31680	.41040	.36000
1.200	-1.103	-29060	-29460	-29280	-29530	-31080	-31080	-31650	-31690	.41050	.35930
1.201	2.505	-29280	-29010	-29000	-29070	-31050	-31050	-31710	-31780	.41100	.36000
1.201	5.024	-29330	-29430	-29290	-29160	-30770	-30770	-31610	-31640	.41170	.36150
1.201	10.003	-54020	-13510	-02070	-09820	-31380	-31380	-31690	.00000	.41190	.36080
1.201	GRADIENT	.00014	.00061	.00026	-0.0002	.00029	.00029	.00001	-0.00018	-0.00001	-0.00004

REFERENCE DATA

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 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA =
 AILRON =
 SPDBRK =
 RN/L =
 ALPHA = 2.000
 ELEVON = .000
 BDFLAP = .000
 RUDDER = 5.000

RUN NO. 170/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
1.199	-9.867	-30290	.29050	.35420
1.201	-4.847	-29220	.32320	.39740
1.202	.181	-29270	.36590	.42230
1.199	2.872	-30440	.37750	.42980
1.196	5.543	-32020	.39670	.43830
1.200	6.350	-32010	.40160	.44020
1.195	7.539	-32820	.39820	.44340
1.198	8.549	-32870	.39770	.45060
1.200	9.310	-32200	.39960	.45710
1.196	10.599	-33000	.39560	.45610
1.199	11.412	-32350	.40000	.46250
1.197	12.609	-33110	.40100	.45740
1.199	13.652	-32950	.39860	.45920
1.199	15.909	-34670	.39260	.45920
1.195	20.655	-36090	.36570	.45240
1.194	GRADIENT	-0.00139	.00722	.00429

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(E2F0H3) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 142/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
1.294	-5.619	-.28610	.34120	.41480
1.296	-.195	-.29210	.37220	.43870
1.317	.487	-.29600	.38730	.45490
1.297	1.610	-.30230	.39510	.44550
1.294	2.328	-.30450	.39930	.44220
1.294	5.097	-.32630	.40870	.44370
1.294	6.165	-.32820	.41240	.44790
1.294	7.179	-.33430	.41620	.45170
1.294	8.177	-.34150	.42030	.45010
1.293	9.114	-.34230	.42760	.44990
1.292	10.252	-.34770	.42000	.44950
1.291	11.216	-.35630	.42120	.45060
1.293	12.279	-.35520	.43160	.45520
1.292	13.243	-.35790	.42980	.45740
1.294	15.286	-.35240	.42940	.46390
1.286	20.231	-.33180	.41800	.47430
	GRADIENT	-.00503	.01009	-.00027

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REFERENCE DATA

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LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

BETA =
AILRON =
SPDBRK =
RN/L =

2.000 ELEVON = .000
.000 BDFLAP = .000
25.000 RUDDER = .000
5.000

PARAMETRIC DATA

RUN NO. 0/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.294	-5.619	-27950	-28040	-28060	-28140	-28610	-28610	-29800	-31140	.34120	.41480
1.296	-1.195	-28310	-28440	-28300	-28440	-29210	-29210	-29560	-29950	.37220	.43870
1.317	.487	-28650	-28830	-28730	-28750	-29600	-29600	-29920	-30330	.38730	.45490
1.297	1.610	-29010	-29190	-28940	-28920	-30230	-30230	-30540	-30910	.39510	.44550
1.294	2.328	-29760	-29940	-29870	-29760	-30450	-30450	-30800	-31210	.39930	.44220
1.294	5.097	-30890	-30860	-31070	-31250	-32630	-32630	-32230	-33100	.40870	.44370
1.294	6.165	-31190	-31160	-31070	-31220	-32820	-32820	-33040	-33210	.41240	.44790
1.294	7.179	-31150	-31190	-31290	-31700	-33430	-33430	-33150	-33940	.41620	.45170
1.294	8.177	-31860	-32270	-32320	-32140	-34150	-34150	-33760	-34150	.42030	.45010
1.293	9.114	-32310	-32590	-32880	-32770	-34230	-34230	-33800	-34150	.42760	.44990
1.292	10.252	-33260	-33390	-33260	-33120	-34770	-34770	-34730	-34950	.42000	.44950
1.291	11.216	-33940	-34130	-34380	-34380	-35630	-35630	-35160	-35790	.42120	.45060
1.293	12.279	-34240	-34520	-34160	-34340	-35520	-35520	-35410	-35520	.43160	.45520
1.292	13.243	-34670	-34900	-34940	-34970	-35790	-35790	-35650	-35910	.42980	.45740
1.294	15.286	-34640	-34740	-34570	-34580	-35240	-35240	-35290	-36070	.42940	.46390
1.286	20.231	-32230	-32220	-32330	-32400	-33180	-33180	-32940	-33230	.41800	.47430
	GRADIENT	-00534	-00550	-00551	-00463	-00503	-00503	-00501	-00502	.01009	-00027

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OAI45 TABULATED FORCE DATA

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(E2F044) (06 MAR 80)

REFERENCE DATA

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BREF = 936.6800 INCHES
SCALE = .0500

XMRP = 1076.6800 IN. XO
YMRP = .0000 IN. YO
ZMRP = 375.0000 IN. ZO

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BOFLAP = .000
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 418/ 0 RN/L = 4.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.597	-4.953	-.21340	-.03590	-.03320
.599	.073	-.20710	-.08280	.07070
.597	2.630	-.21670	.12480	.10640
.596	5.127	-.22950	.15480	.13250
.596	7.186	-.24000	.17270	.14810
.597	8.238	-.24310	.17700	.15420
.596	10.283	-.26090	.18480	.14760
.595	12.322	-.27600	.18790	.14780
.595	15.369	-.31110	.16620	.12550
	GRADIENT	-.00020	.02153	.01873

RUN NO. 98/ 0 RN/L = 4.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.900	-5.029	-.27990	.07930	.08730
.904	.202	-.27980	.18100	.17390
.898	2.827	-.30950	.21130	.19600
.896	5.342	-.35230	.24440	.21560
.899	6.429	-.35410	.24860	.22840
.900	7.426	-.36140	.25570	.23650
.898	8.405	-.37520	.26010	.23720
.899	9.519	-.38650	.27130	.23950
.898	10.498	-.39700	.27520	.23950
.899	11.554	-.41130	.27990	.24200
.900	12.691	-.43060	.28430	.24570
.898	13.621	-.45130	.28440	.24090
.897	15.707	-.49390	.27190	.23140
.900	20.567	-.51160	.23890	.19330
	GRADIENT	-.01131	.01154	.00842

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OAI45 TABULATED FORCE DATA

PAGE 1983

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AMES 118-1-11 OAI45A 01

REFERENCE DATA

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 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 0/ 0 RN/L = 4.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.597	-4.953	-20480	-20790	-20570	-20600	-21340	-21340	-21510	-22080	-03590	-03320
.599	.073	-20590	-20520	-20280	-20280	-20710	-20710	-20710	-21370	.08280	.07070
.597	2.630	-20870	-20780	-20750	-20820	-21670	-21670	-22290	-23000	.12480	.10640
.596	5.127	-20850	-20880	-21140	-21210	-22950	-22950	-23660	-25710	.15480	.13250
.596	7.186	-21350	-20730	-20970	-20920	-24000	-24000	-25140	-27910	.17270	.14810
.597	8.238	-20660	-20500	-20930	-20950	-24310	-24310	-26110	-28770	.17700	.15420
.596	10.283	-21560	-21040	-21370	-21350	-26090	-26090	-27730	-30940	.18480	.14760
.595	12.322	-22100	-21980	-22670	-21980	-27600	-27600	-31240	-34770	.18790	.14780
.595	15.369	-23250	-23530	-23510	-23890	-31110	-31110	-32680	-34250	.16620	.12550
	GRADIENT	-00047	.00009	-00012	-00016	-00020	-00020	-00066	-00085	.02153	.01873

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(E2F0H5) (06 MAR 80)

REFERENCE DATA

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 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 99/ 0 RN/L = 4.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.897	-5.439	-28210	.06690	.07520
.903	-.038	-28300	.17570	.16990
.899	2.334	-30190	.20810	.19400
.897	5.055	-35050	.23630	.21450
.898	7.246	-36720	.25180	.23250
.900	8.182	-36920	.26180	.24190
.899	10.292	-38900	.27760	.24150
.896	12.304	-42090	.28050	.24410
.897	15.440	-48920	.27080	.23480
.889	20.472	-51980	.22700	.18100
	GRADIENT	-00797	.01366	.01016

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AMES 118-1-11 OAI45A 01

(E2F0H6) (16 JUL 77)

REFERENCE DATA

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LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = 10.000
AILRON = .000 BDFLAP = .000
SPOBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 93/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.901	-4.644	-28730	-27910	-27580	-28060	-31530	-31530	-31500	-31140	.08780	.08980
.901	.235	-27390	-26710	-26620	-26760	-32290	-32290	-33340	-34180	.17880	.16900
.900	2.732	-27510	-27780	-27750	-27810	-37480	-37480	-37400	-39150	.20890	.19360
.898	5.300	-28690	-28420	-28350	-28090	-38020	-38020	-38060	-38770	.24740	.21570
.901	8.373	-28930	-27930	-28170	-28400	-36250	-36250	-36420	-36680	.27140	.23860
.900	10.412	-29810	-29660	-29240	-29910	-37660	-37660	-37990	-37690	.27800	.24350
.899	12.492	-31850	-30820	-30820	-30970	-40240	-40240	-40150	-40600	.28390	.24670
.899	15.578	-36040	-35440	-35300	-35590	-45390	-45390	-46320	-46270	.27450	.23930
.897	20.528	-39260	-38680	-39320	-39200	-48080	-48080	-48170	-49330	.23470	.20200
	GRADIENT	.00180	.00049	.00007	.00066	-.00717	-.00717	-.00742	-.01022	.01673	.01437

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(E2F0H7) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 BDFLAP = .000
SPOBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 181/ 0 RN/L = 5.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.902	-4.032	-22780	-22640	-22920	-22460	-32780	-32780	-32810	-33220	.34460	.11600
.901	-2.968	-22630	-22820	-22670	-22290	-32830	-32830	-32950	-33840	.31990	.14250
.902	-1.902	-22070	-22510	-22240	-22400	-32790	-32790	-32960	-33780	.29350	.16910
.899	-.843	-23270	-23240	-23290	-23200	-33290	-33290	-34390	-34960	.26240	.19190
.902	.031	-22500	-22540	-22620	-22690	-33460	-33460	-33380	-33670	.24290	.21680
.901	.426	-23280	-22440	-22540	-22770	-32750	-32750	-33310	-33860	.23350	.22940
.902	.956	-22960	-22610	-22740	-22950	-33070	-33070	-33020	-33290	.22330	.24400
.900	2.050	-23360	-23260	-22970	-23640	-32040	-32040	-32960	-33510	.20270	.27410
.901	3.128	-23220	-23720	-23580	-23460	-32820	-32820	-33550	-33720	.17800	.30130
.899	4.183	-24980	-25500	-25090	-25120	-34080	-34080	-34590	-34950	.15410	.32350
	GRADIENT	-26150	-26300	-26180	-25680	-34680	-34680	-35460	-35450	.09520	.37950
		.00213	.00246	.00202	.00269	-.00057	-.00057	-.00127	-.00076	-.02317	.02576

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(E2F0H8) (15 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 333/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.398	-3.451	-23470	-23500	-23160	-22710	-29590	-29590	-32160	-35180	.20040	-.07270
.397	-2.938	-24030	-23790	-24450	-24590	-30510	-30510	-32920	-34610	.17390	-.05770
.397	-1.858	-24310	-24420	-24450	-24000	-30740	-30740	-33110	-34520	.13720	-.02090
.398	-1.332	-23640	-24200	-24160	-24270	-30120	-30120	-32180	-33920	.12640	-.00660
.397	-.809	.44750	-19250	-07070	-03950	-30280	-30280	-33030	.00000	.10980	.02100
	GRADIENT	.17920	.01016	.04235	.04954	-.00151	-.00151	-.00139	.09346	-.03331	.03646

ALPHA = 20.000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

PARAMETRIC DATA

AMES 118-1-11 OAI45A 01

(E2F0H9) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

RUN NO. 423/ 0 RN/L = 4.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.404	-5.006	-29790	-30100	-29930	-29830	-27800	-27800	-27700	-27920	.40020	.43090
1.404	.052	-29810	-30110	-30290	-30180	-27080	-27080	-27050	-27630	.44520	.43960
1.401	2.666	-30050	-30500	-30360	-30160	-26160	-26160	-26480	-26920	.45770	.44850
1.400	5.194	-29900	-30140	-30030	-29530	-24590	-24590	-24680	-25050	.48440	.44640
1.399	7.237	-29190	-29480	-29520	-29530	-22760	-22760	-22910	-23320	.49190	.45490
1.400	8.255	-28930	-29230	-29000	-28990	-21770	-21770	-22000	-22220	.49110	.46270
1.400	10.291	-29490	-29680	-29560	-29560	-20290	-20290	-20680	-21000	.50340	.45250
1.399	12.320	-30370	-30670	-30530	-30370	-18960	-18960	-19380	-19680	.50230	.45120
1.399	15.347	-30980	-31100	-31030	-30790	-17440	-17440	-17920	-18230	.50780	.45750
1.393	GRADIENT	-.00092	-.00149	-.00027	.00008	.00352	.00352	.00218	.00272	.00478	.00340

BETA = .000 ELEVON = 20.000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

PARAMETRIC DATA

DATE 10 MAR 80

OA145 TABULATED FORCE DATA

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(E2F010) (06 MAR 30)

REFERENCE DATA

SREF	=	2690.0000
LREF	=	474.8100
BREF	=	936.6800
SCALE	=	.0500

=	1076.6800	IN.	X0
=	.0000	IN.	Y0
=	375.0000	IN.	Z0

RUN NO.	478/ 0	RN/L =	5.00	GRADIENT INTERVAL =	-5.00/	5.00
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PARAMETRIC DATA

ALPHA	=	2.000	ELEVON	=	.000
AILRON	=	.000	BDFLAP	=	.000
SPDBRK	=	97.200	RUDDER	=	.000
RN/L	=	5.000			

MACH	BETA	CP2+0	CP12	CP13
.952	-6.174	-.33560	.37760	.07640
.953	-2.009	-.35430	.29350	.16880
-.957	-.957	-.37430	.26470	.18890
.950	.095	-.37860	.24510	.21530
.952	.601	-.37760	.23560	.22950
.951	1.122	-.39070	.22350	.23990
.950	2.169	-.39310	.19950	.26350
.950	3.218	-.41200	.17680	.28730
.950	4.249	-.41670	.15720	.31040
.947	6.301	-.43260	.11360	.35540
.948	8.339	-.43430	.07300	.40670
	GRADIENT	-.00980	-.02162	.02290

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(E2F011) (08 JUL 77)

REFERENCE DATA

SREF	=	2690.0000
LREF	=	474.8100
BREF	=	936.6800
SCALE	=	.0500

=	1076.6800	IN.	X0
=	.0000	IN.	Y0
=	375.0000	IN.	Z0

RUN NO.	483/ 0	RN/L =	4.96	GRADIENT INTERVAL =	-5.00/ 5.00
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PARAMETRIC DATA

BETA	=	.000	ELEVON	=	.000
ATLRON	=	.000	BDFLAP	=	.000
SPDBRK	=	87.200	RUDDER	=	.000
RN/L	=	5.000			

	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
MACH										
ALPHA										
.590	-.29130	-.28980	-.29270	-.28780	-.27160	-.27160	-.27250	-.28110	-.04330	-.03870
.592	-.27340	-.27340	-.27310	-.27190	-.25050	-.25050	-.24880	-.24920	.07880	.06480
.597	-.27400	-.27610	-.27250	-.27440	-.27700	-.27700	-.28170	-.29830	.15190	.12720
.597	-.27220	-.27270	-.27320	-.27080	-.29380	-.29380	-.31440	-.34700	.18500	.15140
.599	-.28600	-.28170	-.28830	-.29190	-.33570	-.33570	-.35200	-.36420	.17130	.12660
GRADIENT	-.00040	-.00053	.00012	-.00050	-.00525	-.00525	-.00652	-.00973	.01448	.01235

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(E2F012) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPDBRK = 55.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 537/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.203	-6.104	-31330	-31550	-31380	-31230	-31880	-31880	-31900	-31780	.54910	.26310
1.204	-1.960	-31280	-31330	-30880	-30910	-31450	-31450	-31400	-31450	.46260	.31870
1.203	-.924	-31750	-31510	-31480	-31450	-31790	-31790	-32500	-33500	.44060	.34110
1.204	.031	-31510	-31320	-31320	-31110	-31950	-31950	-32850	-32880	.41920	.36480
1.202	.559	-31840	-31540	-31560	-31340	-32090	-32090	-32590	-33010	.41140	.37610
1.204	1.055	-31070	-31190	-31120	-31340	-32050	-32050	-32610	-32650	.40050	.38530
1.201	2.127	-31540	-31300	-31380	-31530	-31990	-31990	-32310	-33090	.38330	.41250
1.201	3.176	-31430	-31840	-31530	-31150	-32220	-32220	-32320	-32950	.36150	.43760
1.200	4.228	-31670	-32170	-31740	-31780	-32200	-32200	-33110	-33300	.33940	.46430
1.199	6.324	-32400	-31570	-31660	-31850	-32480	-32480	-32920	-33820	.30720	.51220
	GRADIENT	-.00014	-.00110	-.00091	-.00084	-.00105	-.00105	-.00142	-.00157	-.01952	.02348

AMES 118-1-11 OAI45A 01

(E2F013) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = .000
 ELEVON = .000 AILRON = .000
 BOFLAP = .000 SPDBRK = 55.000
 RN/L = 5.000

RUN NO. 519/ 0 RN/L = 4.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	RUDDER	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
1.404	-14.736	-30780	-30680	-30700	-30650	-30840	-30840	-31110	-31360	.47920	.44460
1.404	-10.664	-30740	-30950	-31000	-30820	-31020	-31020	-31240	-31450	.47650	.44330
1.404	-5.433	-30660	-30750	-30760	-30800	-30930	-30930	-31210	-31410	.47730	.44270
1.446	-2.768	-60360	-60360	-60230	-60380	-60780	-60780	-60800	-61290	-.40820	-.36180
1.404	-.089	-30200	-30430	-30140	-30390	-30720	-30720	-30910	-31130	.47640	.44080
	GRADIENT	-.33812	-.33898	-.33742	-.33891	-.34163	-.34163	-.34242	-.34507	.33028	.29967

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(E2F014) (06 MAR 80)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	1076.6800	IN. ZO
LREF	=	474.8100	INCHES	YMRP	=	.0000	IN. ZO
BREF	=	936.6800	INCHES	ZMRP	=	375.0000	IN. ZO
SCALE	=	.0500					

RUN NO.	689/ 0	RN/L = 4.96	GRADIENT INTERVAL = -5.00/ 5.00
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PARAMETRIC DATA

ALPHA	=	5.000	BETA	=	.000
ELEVON	=	.000	AIRLON	=	.000
BDFLAP	=	.000	SPDBRK	=	15.000
RN/L	=	5.000			

MACH	RUDDER	CP240	CP12	CP13
.899	-14.965	-32430	.24400	.21440
.901	-10.754	-32420	.24280	.21340
.901	-4.947	-31760	.24370	.21550
.899	-2.442	-32840	.23940	.20820
.901	-.089	-31810	.24070	.21330
.900	2.505	-32510	.23880	.20970
.900	5.033	-31810	.24440	.21540
.900	10.027	-32290	.24350	.21160
.900	15.022	-32150	.24160	.21210
.899	18.098	-32690	.24190	.21020
.899	22.836	-32610	.24030	.20940
	GRADIENT	- .00052	- .00055	- .00051

REFERENCE DATA

=	SREF	=	2690.0000	SQ.FT.	=	XMRP	=	1076.6800	IN. X0
=	LREF	=	474.8100	INCHES	=	YMRP	=	.0000	IN. Y0
=	BREF	=	936.6800	INCHES	=	ZMRP	=	375.0000	IN. Z0
=	SCALE	=	.0500						

RAIN NO.	716/ 0	RN/L =	4.95	GRADIENT	INTERVAL =	-5.00/	5.00
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AMES 118-1-11 0A145A 01

(E2F015) (01 SEP 77)

PARAMETRIC DATA

BETA	=	.000	ELEVON	=	.000
AILRON	=	.000	BDFLAP	=	.000
SPOBRK	=	40.000	RUDDER	=	.000
RN/L	=	5.000			

[illegible]

DATE 10 MAR 80

OAI45 TABULATED FORCE DATA

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(E2F016) (08 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = 5.000 BETA = 2.000
 AILRON = .000 BOFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 818/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP245	CP12	CP13
.900	-30.298	-1.19510	-1.18620	-1.18460	-1.18740	-1.18870	-1.18870	-1.18030	-1.18590	.19340	.26780
.903	-19.743	-1.19470	-1.18720	-1.18700	-1.19310	-1.23130	-1.23130	-1.24220	-1.24470	.19840	.27230
.899	-17.282	-2.0120	-1.19810	-1.19730	-1.19970	-1.23860	-1.23860	-1.24040	-1.24160	.19010	.26660
.901	-14.950	-2.0800	-1.19680	-1.20300	-1.20350	-1.26070	-1.26070	-1.26360	-1.26940	.19020	.26600
.899	-9.955	-2.1300	-2.0890	-2.1110	-2.0890	-1.29390	-1.29390	-1.29730	-1.29950	.18870	.26420
.899	-5.945	-2.2350	-2.2040	-2.2240	-2.2290	-1.31590	-1.31590	-1.32920	-1.32190	.18640	.26270
.900	-3.939	-2.2080	-2.2180	-2.2180	-2.1960	-1.31690	-1.31690	-1.32140	-1.32460	.19090	.26570
.901	-1.942	-2.3280	-2.3570	-2.3410	-2.3070	-1.32220	-1.32220	-1.32750	-1.32560	.18970	.26530
.901	.005	-2.4860	-2.4430	-2.3870	-2.4000	-1.31760	-1.31760	-1.32020	-1.32490	.19220	.26840
.902	2.012	-2.5020	-2.5260	-2.4990	-2.4440	-1.32000	-1.32000	-1.32900	-1.32170	.19120	.26770
.903	4.013	-2.5700	-2.5850	-2.5900	-2.5900	-1.32590	-1.32590	-1.33840	-1.32900	.19280	.26740
.901	6.006	-2.7060	-2.6980	-2.6400	-2.6480	-1.33390	-1.33390	-1.35920	-1.34290	.19170	.26790
.900	10.011	-2.8940	-2.9830	-2.9100	-2.9030	-1.34860	-1.34860	-1.35570	-1.35740	.19340	.26950
.901	15.017	-2.9890	-2.9100	-3.0010	-2.9870	-1.36280	-1.36280	-1.37240	-1.37930	.19060	.26840
	GRADIENT	-.00452	-.00455	-.00491	-.00466	-.00080	-.00080	-.00198	-.00025	.00027	.00019

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(E2F017) (06 MAR 80)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
 AILRON = .000 BOFLAP = .000
 SPDBRK = 7.500 RUDDER = .000
 RN/L = 5.000

RUN NO. 898/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP240	CP12	CP13
.951	-5.284	-1.37580	.13040	.12850
.950	-2.248	-1.34840	.22030	.19380
.949	2.289	-1.35960	.25000	.21780
.949	4.877	-1.32900	.27590	.23890
.949	7.959	-1.36690	.29930	.25970
.950	10.008	-1.37670	.31050	.26970
.950	12.039	-1.40040	.31080	.26780
	GRADIENT	.00381	.01085	.00880

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DATE 10 MAR 80

(E2F018) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BOFLAP = 16.300
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 283/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.952	-5.082	-29330	-29710	-29180	-29230	-39800	-39800	-40680	-42040	.13480	.14070
.952	-.055	-30500	-30580	-30250	-30380	-38020	-38020	-38570	-39430	.21940	.20210
.949	2.483	-30440	-30640	-30970	-30770	-37430	-37430	-38440	-39320	.25540	.23210
.955	5.013	-28060	-28520	-27950	-28180	-34440	-34440	-34770	-36220	.26180	.25300
.949	6.032	-28200	-27790	-28070	-28000	-36260	-36260	-37170	-37940	.28850	.25700
.949	7.058	-26840	-27080	-26790	-27310	-34580	-34580	-35160	-35150	.30170	.26200
.951	8.083	-27630	-27320	-26770	-27550	-34530	-34530	-35570	-35870	.30520	.26950
	GRADIENT	.00024	-.00024	-.00284	-.00154	.00232	.00232	.00051	.00043	.01418	.00788

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0500

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 BOFLAP = -11.700
SPDBRK = 25.000 RUDDER = .000
RN/L = 5.000

RUN NO. 444/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.396	-4.996	-23220	-23500	-23500	-23220	-23690	-23690	-23790	-24570	-.06750	-.06840
.396	-.716	-23820	-23110	-23040	-22970	-22050	-22050	-21730	-22050	.04410	.03050
.395	.029	-23520	-23370	-23060	-23590	-22480	-22480	-22200	-22690	.05630	.04310
.397	2.505	-21480	-21100	-21480	-21410	-21190	-21190	-21720	-22630	.11940	.10190
.396	5.021	-21810	-21810	-21810	-21810	-22510	-22510	-23530	-25210	.14880	.13040
.396	6.904	-21770	-22010	-21770	-22010	-23730	-23730	-25130	-27830	.16240	.14310
.396	8.118	-21530	-21530	-21740	-21570	-24470	-24470	-25630	-29300	.17250	.14580
.396	10.140	-22080	-21870	-21800	-22230	-26390	-26390	-29020	-32670	.17450	.14560
.396	12.182	-22300	-22340	-22060	-22410	-26960	-26960	-30470	-34930	.17450	.14470
.396	15.232	-22350	-21680	-21820	-22170	-31090	-31090	-34500	-39480	.14990	.11170
	GRADIENT	.00189	.00276	.00242	.00195	.00321	.00321	.00284	.00279	.02489	.02264

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(E2F019) (16 JUL 77)

DATE 10 MAR 80

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(E2F0J0) (16 JUL 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
 LREF = 474.8100 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0500

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
 AILRON = .000 BDFLAP = .000
 SPDBRK = 25.000 RUDDER = .000
 RN/L = 5.000

RUN NO. 419/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CP225	CP228	CP231	CP234	CP237	CP240	CP243	CP246	CP12	CP13
.597	-6.158	-21320	-21150	-21180	-21180	-21610	-21610	-21530	-22220	.19920	-.05750
.597	-2.082	-20620	-20460	-20580	-20600	-21130	-21130	-21010	-21650	.12160	.02420
.597	-1.038	-20530	-20670	-20530	-21080	-20810	-20810	-20900	-21380	.10440	.04780
.598	.033	-20810	-20670	-20360	-20620	-20540	-20540	-20990	-21400	.08300	.07120
.598	.547	-20640	-20620	-20640	-20570	-20820	-20820	-20680	-21170	.07560	.08030
.598	1.065	-20530	-20480	-20200	-20480	-20930	-20930	-20650	-21020	.06340	.08820
.598	2.120	-20900	-21130	-21020	-21130	-20960	-20960	-20910	-20960	.04520	.10990
.598	3.160	-21210	-21420	-21490	-21180	-20940	-20940	-21130	-21440	.02190	.13240
.597	4.193	-21410	-21620	-21360	-21690	-21430	-21430	-21050	-21950	-.00180	.15090
.597	6.250	-22090	-21430	-21880	-21760	-21400	-21400	-21520	-21900	-.03580	.19750
.597	GRADIENT	-.00132	-.00188	-.00169	-.00140	-.00055	-.00055	-.00021	-.00023	-.01959	.02004

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